

INDEX TO VOLUME XXXVII.

[New generic, specific, and subspecific names are printed in heavy face type.]

- ABBOTT, Charles Conrad, obituary notice of, 183.
- Acanthis, 285.
 linaria linaria, 70, 600.
- Acanthopneuste borealis*, 283.
 b. kennicotti, 283.
- Accipiter*, 285
 cooperi 66, 293, 398, 433, 544.
 gularis, 337.
 guttatus, 629.
 guttifer, 629.
 superciliosus, 477.
 s. exitiosus, 477.
 velox, 52, 65, 398, 544.
- Accipitres*, 475.
- Actitis macularia*, 65, 396, 535, 544, 569.
- Actochelidon*, 440.
- Aechmophorus occidentalis*, 63.
- Aegialitis*, 444.
 collaris, 105.
 meloda, 537.
 semipalmata, 143, 537, 569, 583.
- Aegithaliscus annamensis*, 170.
- Aegithalos caudatus romanus*, 166.
- Aegolius*, 447.
- Aegypius*, 154.
- Aeronautes melanoleucus*, 68, 294, 400.
 saxatilis, 294.
- Aestrelata*, 441, 449.
 diabolica, 284.
 hasitata, 284.
- Aethopyga sanguinepectus johnsi*, 171.
 gouldiae annamensis, 171.
- Africa, birds of, 300.
- Agelaius phoeniceus*, 52.
 p. fortis, 70.
 p. megapotamus, 280.
 p. neutralis, 404.
 p. phoeniceus, 547, 570.
 p. richmondi, 280.
- Ahea, 446.
- Aimophila ruficeps eremoeca*, 54.
- Ajaia ajaja, 568.
- Alabama, birds of, 103-104, 127-128, 296.
- Alaska, birds of, 150, 248-254.
- Alauda ferruginea*, 612.
- Alberta, birds of, 304-306, 615.
- Alcedo atthis ispida*, 625.
 grandis, 628.
 hercules, 628.
- Alcella, 275.
- Alcippe nipalensis annamensis*, 170.
- Alexander, E. Gordon,
 fall records of Mourning Warbler in western Missouri, 137.
- Allen, Glover M., personal mention, 185; obituary notice of Horace W. Wright, 509; pattern development in Teal, 558-564.
- Alseonax murinus roehli*, 492.
 siamensis, 332.
- Aluco, 444, 447.
 pratincola, 308, 467.
- Amblycercus holosericeus australis*, 165.
- A. O. U. Check-List of North American Birds, list of proposed changes in the, 274-285; seventeenth supplement to, 439-449.
- A. O. U. Committee on Classification and Nomenclature of N. A. Birds, 186, 346.

- A. O. U., oldest members of, 186;
permanent funds of the, 513;
thirty-seventh stated meeting,
110-125; thirty-eighth stated
meeting of the, 517-518, 641.
- Ammodramus bairdi*, 457.
 savannarum australis, 141.
 s. bimaculatus, 71.
 lecontei, 299.
 nelsoni subvirgatus, 307.
- Ammoperdix heyi nicolli*, 328.
- Ampelioides tschudii*, 628.
- Ampelion cinctus*, 628.
- Ampelis*, 448.
 nivea, 489.
 viridis, 629.
- Amphispiza bilineata*, 54.
 nevadensis nevadensis, 406.
- Anaeretes*, 453.
 agraphia, 315.
- Anairetes*, 453.
- Anaplectes jubaensis*, 489.
- Anas boschas*, 449.
 novimexicana, 273.
 rubripes, 289, 370.
 r. tristis, 289, 543, 568.
 platyrhynchos, 50, 64, 238,
 369, 449, 543.
 platyrhyncha conboschas, 277.
- Andropadus gracilirostris congen-*
 sis, 333.
- Andrus, C. G.*, observation of a re-
 markable night migration, 604.
- Anodorhynchus hyacinthus*, 293.
- Anser albifrons gambeli*, 101.
- Anthreptes longmari numanni*, 333.
 malacensis paraguayae, 631.
 m. bonensis, 631.
- Anthus leucoerasedon*, 331.
 spinoletta japonica, 251, 282.
- Antrostomus carolinensis*, 570.
 vociferus vociferus, 546.
- Anuropsis malaccensis saturata*, 329.
- Apalis flavida neumanni*, 333.
- Aphantochroa*, 295.
- Aphelocoma woodhousei*, 69.
- Aplonis kittlitzii kurodai*, 490.
- Apterornis solitarius*, 337.
- Aquila chrysaetos*, 66, 398, 433.
- Archibuteo*, 280.
 lagopus sancti-johannisi, 66,
 253.
- Archilochus colubris*, 434, 546, 570.
- Arctonetta, fischeri*, 251.
- '*Ardea*,' reviewed, 334.
- Ardea goliath*, 338.
 herodias, 51, 393.
 h. herodias, 64, 143, 543, 566,
 568.
- Arenaria*, 447.
 interpres interpres, 285.
 i. morinella, 143, 538.
 i. oahuensis, 285.
- Arenariidae*, 279.
- Argentina, birds of, 164, 165.
- Aristonetta*, 252, 600.
- Arizona, birds of, 640.
- Armstrong, Edw. E., remarkable
 migration of Robins, 466.
- Arthur, Stanley C., a note on the
 "Southern Teal," 126.
- Asarcia*, 279, 335.
 spinosa gymnostoma, 280.
 s. violacea, 280.
- Asio accipitrinus*, 449.
 flammeus, 66, 308, 449.
 wilsonianus, 66, 433.
- Astragalinus psaltria psaltria*, 71.
 tristis pallidus, 71.
 t. tristis, 548.
- Astur*, 285.
 atricapillus atricapillus, 66.
 a. striatulus, 310.
- Asyndesmus lewisi*, 68.
- Atalotriccus griseiceps whitelyanus*,
 177.
- Ateleodacnis speciosa amazonum*,
 628.
- Athene noctua minor*, 489.
- Atlapetes canigensis*, 165.

- Atrichornis rufescens jacksoni*, 625.
Atticora fucata roraimae, 624.
Attila cinereus, 175.
 rufus, 175.
 Averill, C. K., migration and physical proportions, a preliminary study, 572-579.
 'Avicultural Magazine', reviewed, 172, 329, 490, 625.
 Audubon, John W., 372-380.
 Audubon, Lucy Bakewell, 372-380.
 'Auk, The', complete sets of, 348-352, needs of, 182.
 'Austral Avian Record', reviewed, 330, 626.
 Australia, birds of, 338, 469, 470, 609.
 Autographs of ornithologists, 516.
 Automolus roraimae, 629.
- BAEOLOPHUS bicolor*, 572.
 atricristatus sennetti, 54.
 inornatus inornatus, 594.
 Bailey, B. H., review of his 'The Raptorial Birds of Iowa,' 156.
 Baker, E. C. Stuart, notice of his paper on 'Egg Collecting and its Objects,' 321.
 Baker, F. C., comment on his 'Life of the Pleistocene,' 634.
 Baldpate, 51, 241, 260, 270, 288, 311.
 Baldwin, S. Prentiss, review of his 'Bird-Banding by Means of Systematic Trapping,' 314.
 Bales, B. R., Roseate Tern (*Sterna dougalli*) breeding in Virginia, 579.
 Bangs, Outram, the Louisiana Tanager in Massachusetts, 301; notice of his 'Two New American Hawks', 477.
 Bangs, Outram and Penard, Thomas E., the proper name of the West African Serin, 300.
- Bannerman, D. A., review of his 'Birds of the Canary Islands,' 607.
 Barber, Geo. W., see Caffrey, D. J.
 Barrows, W. B., obituary notice of E. E. Brewster, 184.
Bartramia longicauda, 65, 140.
 Bartsch, Paul, review of his 'Bird Rookeries of the Dry Tortugas,' 476.
Basileuterus luteoviridis super-ciliaris, 315.
 Bavaria, birds of, 617.
 Beck, Herbert H., the occult senses in birds, 55-59.
 Beck, Rollo H., personal mention, 641.
 Belding, Lyman, biographical sketch of, 33-45.
 Bent, A. C., a flight of Newfoundland Crossbills, 298; advance note on his 'Life Histories of Gulls and Terns,' 640.
 'Berajah,' reviewed, 493.
 Bergtold, W. H., the Crow in Colorado, 134; Clark's Crow in Denver, 297.
Bhringa remifer attenuata, 153.
 Bird Liming, 620.
 'Bird-Lore,' reviewed, 168, 325, 485, 622.
 Bittern, 64, 386, 393, 440, 543.
 Blackbird, Rusty, 70, 305, 412, 436.
 Brewer's, 52, 70, 405.
 San Diego Redwing, 404.
 Red-winged, 52, 259, 312, 386, 547, 555, 570.
 Thick-billed Redwinged, 70.
 Yellow-headed, 69, 403, 601.
Blasipus, 276.
 heermanni, 276.
Bleda notata pallidior, 333.
 'Blue Bird,' noticed, 483.
 Bluebird, 55, 77, 140, 555.
 Chestnut-backed, 77, 310, 411.
 Mountain, 55, 77, 411.

- Bobolink, 69, 163, 390, 555.
 Bob-white, 65, 557, 569.
 Bolivia, birds of, 165, 615.
Bombornis, 295.
 cuvierii cuvierii, 295.
 c. saturator, 295.
 roberti, 295.
 Bombycilla, 448.
 cedrorum, 54, 549.
 garrula, 73, 136, 137, 301, 458, 460, 461, 600.
 Bonasa umbellus umbellus, 544.
 Bonasia bonasia grassmanni, 631.
 Botaurus lentiginosus, 64, 393, 543.
 Bourne, Thomas L., another record of the White Pelican in New York, 126.
 Bowen, Grace Young, Evening Grosbeak at Valley Falls, N. Y., 298.
 Brachylophus chlorolophoides, 332.
 chlorolophus vanheysti, 633.
 Brachyramphus marmoratus, 251.
 Bradypterus barakae, 493.
 rochli, 630.
 Brainerd, Barron, obituary notice of, 184.
 Brannon, Peter A., notes on some Shore Birds of the Alabama river, Montgomery County, Alabama, 127; another occurrence of a Starling near Montgomery, Alabama, 298; the Purple Grackle at Albany, Ga., 454.
 Branta canadensis canadensis, 94, 268.
 c. hutchinsi, 94, 251, 268.
 c. minima, 96, 268.
 c. occidentalis, 94, 268.
 Brazil, birds of, 108-109, 167.
 Brewster, Edward Everett, obituary notice of, 184.
 Brewster, William, biographical sketch of, 1-23; an appreciation of, 24-27; resolutions on death of, 27-28.
 Brewster Memorial, 29-32.
 Brewsteria, 285.
 'British Birds,' reviewed, 171, 329, 489, 625.
 British Ornithologists' Club, review of 'Bulletin,' 328, 488, 624.
 British Ornithologists' Union, annual meeting of the, 514.
 Brook, Arthur, review of his 'The Buzzard at Home,' 475.
 Brooks, Alan, notes on some American ducks, 353-367.
 Brooks, Earle A., White-winged Crossbill (*Loxia leucoptera*) in West Virginia, 457.
 Brooks, Fred E., notice of his papers on economic ornithology, 323.
 Brown, Nathan Clifford, Evening Grosbeak common at Lakewood, New Jersey, 456; a Scarlet Tanager at Thirty-fourth St., New York, 458; autumnal stay of the Parula Warbler in Maine, 462.
 Bubo virginianus, 433.
 v. heterocnemis, 285, 434.
 v. lagophonus, 66.
 v. neochorus, 285.
 v. occidentalis, 399, 434.
 v. pallescens, 67.
 v. virginianus, 433, 545.
 Bucephala, 446.
 Buchanga leucophaea, 633.
 Budytes flavus macronyx, 612.
 f. thunbergi, 612.
 Buffle-head, 64, 310, 369, 389, 568.
 Bunting, Indigo, 47, 73, 436, 555, 570.
 Lark, 73.
 Lazuli, 73.
 McKay's Snow, 254.
 Painted, 300.
 Snow, 383.
 Burns, Frank L., review of his 'Ornithology of Chester County, Pennsylvania,' 155.
 Burtch, Verdi, a Loon (*Gavia immer*) caught on a fishing line,

- 286; maggots in the ears of nestling Cooper's Hawks, 293; Evening Grosbeak at Brantingham, N. Y., 299; rare and uncommon birds at Branchport, Yates Co., N. Y., 307-308; notes on the Black-crowned Night Heron in western New York, 449.
- Buteo borealis*, 52.
 b. borealis, 544.
 b. calurus, 66, 398.
 b. harlani, 130.
 ferrugineus, 280.
 lagopus sanctijohannis, 280.
 lineatus extimus, 320.
 platypterus, 467, 544.
- CALAMOTERPE brehmii*, 333.
Calamospiza melanocorys, 73.
Calcarius lapponicus alascensis, 71.
 ornatus, 53.
Calidris, 443, 451.
 alba, 278.
 canutus, 452.
 leucophaea, 432, 443, 529, 568.
 l. rubida, 278.
California, birds of, 156, 158, 478.
California Fish and Game Commission, educational work of, 189, 483.
Callene cyornithopsis, 493.
Calliste melamotis, 629.
Callocalia uropygialis heinrothi, 493.
Calloprocnias, 489.
Campephaga, 333.
Campethera loveridgei, 624.
Campothera teniolaema barakae, 489.
Canachites canadensis canace, 544.
Canada, birds of, 147.
Canary Islands, birds of, 607.
Canutinae, 442.
Canutus, 451.
 canutus, 278.
 c. rufus, 278.
- Canvas-back*, 51, 244, 259, 355, 370, 600.
Caracara, Audubon's, 52.
Cardinal, 141, 144, 436, 598.
 Gray-tailed, 54.
Cardinalis cardinalis canicaudus, 54.
 c. cardinalis 141, 144, 436, 598.
Carduelis, 285.
 carduelis balcanica, 481, 630.
Carine brama fryi, 329.
Carpodacus cassini, 70, 405.
 mexicanus frontalis, 70, 405.
 purpureus purpureus, 306, 548, 584.
Carospiza brachydactyla psammochroa, 332.
Carrfey, D. J., and Barber, Geo. W., notice of their papers on economic ornithology, 324.
Carter, C. M., notice of his 'Shooting in Early Days, from 1863-1919,' 482.
Casmarhynchus tricarunculatus, 489.
Casmerodius, 441.
 albus egretta, 278.
 egretta, 278, 442.
Catamenis analoides griseiventris, 315.
Catbird, 75, 145, 571, 593.
Catharacta, 440.
 skua, 440.
Catharista, 154, 338, 444.
 urubu, 51, 569.
 u. brasiliensis, 601.
Cathartes, 154.
 aura septentrionalis, 51, 397, 544, 569.
Catharus melpomene sierrae, 629.
Catherpes mexicanus conspersus, 76, 410.
Catoptrophorus semipalmatus inornatus, 65, 396, 534.
 s. semipalmatus, 534, 581, 582.

- Celeus elegans approximans*, 316.
Centronyx, 281.
 bairdi, 281.
Centropus rectunguis, 629.
Centurus aurifrons, 52.
 carolinus, 143, 569.
Cepphus motzfeldi, 275.
Cercococcyx mechowii wellsi, 328.
Cercomela turkana, 488.
Cerconectes, 446.
Certhia brachydactyla, 629.
 b. lusitanica, 332.
 b. neumanni, 493.
 discolor meridionalis, 171.
 familiaris, 629.
 f. americana, 550.
 f. bachmeisteri, 493.
 f. montana, 76.
Ceryle, 424, 429.
 alcyon alcyon, 58, 67, 545, 569.
Cettia cetti mulleri, 630.
Chaetura pelagica, 132, 570.
 ussleri senegalensis, 332.
Chalcopsittacus duyvenbodei syring-anuchalis, 332.
Chamaepelia, 447.
 passerina passerina, 444.
 p. terrestris, 444.
 Chapman, Frank M., description of a proposed new race of the Killdeer from the coast of Peru, 105-108; review of his 'Descriptions of Proposed New Birds from Peru, Bolivia, Argentina and Chile,' 165; review of his 'Descriptions of Proposed New Birds from Peru, Bolivia, Brazil and Columbia,' 315; review of his 'What Bird is That,' 473; review of his 'Unusual Types of Variation in *Ostenops decumanus*,' 615.
Charadrius, 285, 443, 444.
 dominicus dominicus, 537.
 dubius, 444.
 Charadrius d. euroniceus, 279.
 hiaticula, 279, 444.
 h. septentrionalis, 279.
 melodus, 444.
 mongolus, 444.
 nivosus, 444.
 n. nivosus, 279.
 n. tenuirostris, 279.
 semipalmatus, 444.
Charitillas kavirondensis, 489.
Charitonetta albeola, 64, 310, 369, 568.
 Chase, Richard M., Bohemian Waxwings at Rochester, N. Y., 461.
 Chat, Long-tailed, 75.
 Yellow-breasted, 313, 391, 438, 554, 598.
Chaulelasmus streperus, 64, 240, 370.
Chelidon, 448.
Chen caerulescens, 100, 260, 432, 468.
 hyperboreus hyperboreus, 251, 432.
 Chewink, see Towhee.
 Chickadee, 550.
 Acadian, 142, 597.
 Carolina, 258, 572.
 Hudsonian, 306, 463, 550, 593.
 Labrador Brown-capped, 463, 606.
 Long-tailed, 76.
 Mountain, 76, 411.
 Plumbeous, 54.
 Chile, birds of, 165, 616.
 Chittenden, F. H., notice of his writings on economic ornithology, 323, 324.
Chlamydera maculata nova, 488.
Chlidonias, 440.
 leucoptera leucoptera, 440.
 nigra surinamensis, 440.
Chloephaga dispar, 488.
 inornata, 488.
 magellanica, 488.

- Chloroceryle, 424-429.
 aenea, 425-428.
 amazona, 425, 428.
 americana, 425-428.
 inda, 425-428.
Chloronerpes rubiginosus, 320.
 r. guianae, 629.
 r. roraimae, .
Chondestes grammacus strigatus,
 53, 71, 405.
Chordeiles virginianus henryi, 68,
 400.
 v. virginianus, 434, 546.
Chotorhea chrysopogon laetus, 153.
Chroicocephalus, 276.
 atricilla, 276.
 franklinii, 276.
 philadelphia, 276.
Chrysoptilus melanochlorus juae,
 316.
 m. perplexus, 316.
 punctigula notata, 316.
Chuck-will's widow, .
Ciceronia, 275.
Cichladusa guttata mulleri, 333.
Cinclodes, 164.
 fuscus, 615.
 oustaleti baekstroemii, 615.
 tazanowskii, 161.
 tucumanus, 165.
Cinclus cunclus orientalis, 630.
Cinnyris habessinicus turkanae,
 489.
 schillingsi, 332.
Circus hudsonius, 52, 65, 398, 544.
Cissa margaritae, 170.
Cisticola cisticola cisticola, 489.
 c. harterti, 489.
Clangula, 442, 446.
 clangula americana, 51, 136,
 150, 252, 358, 369, 542.
 hyemalis, 442.
 islandica, 150, 356.
Cleland, J. B., review of his report
 on the food of Australian birds,
 168.
Coale, Henry K., curious habits of
 the Whip-poor-will, 293; Bo-
 hemian Waxwing in Illinois, 301.
Cobb, Stanley, midsummer birds in
 the Catskill Mountains, 46-49.
Coccyzus americanus americanus,
 67.
 a. occidentalis, 67.
 erythrophthalmus, 67, 545.
 minor caymanensis, 316.
Coker, Robert E., review of his
 'Habits and Economic Relations
 of the Guiana Birds of Peru', 160-
 161.
Colaptes auratus, 52, 570.
 a. luteus, 309, 546.
 cafer collaris, 52, 68, 400.
Colinus virginianus virginianus, 65,
 569.
Collinge, W. E., notice of his con-
 tributions to economic ornithol-
 ogy, 483-485.
Colombia, birds of, 176.
Colorado, birds of, 60-77, 130, 131,
 134, 299, 300, 310.
Columbia livia targia, 332.
 pallida, 332.
Columbina, 447.
Colymbus, 445, 617.
 holboelli, 430.
 nigricollis californicus, 63, 231.
Compothlypidae, 444, 598.
Compothlypis americana ameri-
 cana, 313.
 a. pusilla, 445.
 a. usneae, 142, 445, 462.
Comstock, Anna B., notice of her
 'Suggestions for a Graded Course
 in Bird Study,' 482.
'Condor, The,' reviewed, 169, 326,
 486, 623.
Conopoderas atypha, 159.
 a. agassizi, 160.
 a. crypta, 159.
 a. erema, 160.
 a. nesiarcha, 160.

- Conopodera* a. *rava*, 159.
 percernis, 160.
Conopophaga melanogaster, 177.
 Coot, 51, 64, 260, 394.
 Copeland, Ada B., Mesa Co., Colorado, notes, 310.
Coprotheres pomarinus camtschaticus, 284.
Coragyps, 444.
 urubu urubu, 444.
 Cormorant, Double-crested, 259, 567.
 Cory, Charles B., description of a new species and subspecies of *Tyrannidae*, 108-109; review of his 'Review of Reichenbach's Genera *Siptornis* and *Cranioleuca*,' 164; review of his 'Catalogue of Birds of the Americas,' 315-316; notice of his 'Review of the Genus *Rhynchocyclus*,' 319.
Corythornis, 331.
 cristata cristata, 331.
 c. galerita, 331.
 c. nais, 331.
 c. thomensis, 331.
Corvus *affinis*, 629.
 brachycercus, 629.
 brachyrhynchos brachyrhynchos, 69, 435, 547, 570.
 b. hesperis, 134, 401.
 capensis kordofanensis, 629.
 c. minor, 629.
 corax sinuatus, 401, 453.
 corone interpositus, 629.
 coronoides connectens, 628.
 c. hainanus, 628.
 c. madarazi, 628.
 ossifragus, 570.
 pica, 496.
 Costa Rica, birds of, 601-603.
Cotinga rubra, 468.
 cuprea, 468.
Cotyle rupestris spatzi, 332.
 Cowbird, 52, 69, 305, 402, 584, 597.
 Crandall, Lee S., early Virginia Rail in New York, 452.
 Crane, Sandhill, 600.
Crateropus melanops clamosus, 489.
 terricolor sindianus, 625.
Creciscus jamaicensis, 128.
 Creeper, Brown, 550, 598.
 Rocky Mountain, 76.
Crocethia, 443, 452.
 alba, 443.
Crocomorphus flavus peruvianus, 316.
 Crosby, M. F., see Frost, Allen.
 Crow, 69, 134, 435, 483, 570, 597.
 Fish, 570.
 Western, 401.
Cryptoglaux, 447, 449.
 fumerea richardsoni, 447.
 tengmalmi richardsoni, 447.
Cryptolopha montis, 633.
 Crossbill, Newfoundland, 298, 456.
 Red, 375.
 White-winged, 134, 436, 457.
Crucirostra, 448.
 Cuba, birds of, 140.
 Cuckoo, 171.
 Black-billed, 67, 545, 597.
 California, 67.
 Yellow-billed, 67.
Curaeus aterrimus, 175.
 curaeus, 175.
 Curlew, Bristle-thighed, 253.
 Hudsonian, 260, 536.
 Jack, see Hudsonian.
Cutia nipalensis legalleni, 170.
Cyanocephalus cyanocephalus, 69, 402.
Cyanocitta cristata cristata, 547, 570.
 stelleri diademata, 69, 401.
Cyanolyca ciridicyana cyanolaema, 628.
Cygnus, 447.
Cyornis vanheysti, 633.

- DABBENE, Roberto, review of his 'Species and Subspecies of the Genera Cinclodes and Gepsitta,' 164.
- Dafila acuta, 51, 370.
- Daggett, Frank Slater, obituary notice of, 508.
- Daption, 446.
- Davis, John J., notice of his papers on economic ornithology, 324.
- Delaware, birds of, 257.
- Delaware Valley Ornithological Club, dinner to W. L. Slater, 187.
- DeMeritte, Edwin, peculiar nesting of Hermit Thrushes, 138-140.
- Demiegretta greyi, 177.
- Dean, F. Roy, notes from St. Louis, Mo., 467.
- Dendragapus obscurus obscurus, 65.
- Dendrocinclopa, 489.
 guianensis, 489.
- Dendrocopos, 448.
- Dendroica, 409.
 aestiva aestiva, 74, 571.
 auduboni auduboni, 409.
 bryanti castaneiceps, 282.
 caerulescens caernsi, 93, 552.
 c. caerulescens, 93, 142, 549, 552, 592.
 castanea, 143, 437.
 cerulea, 437, 598.
 coronata, 54, 74, 258, 261, 386, 437, 549, 591.
 discolor, 142, 258, 571, 601.
 dominica, 571, 591.
 erithachorides castaneiceps, 282.
 fusca, 142, 438, 550, 592.
 graciae, 409.
 magnolia, 142, 437, 549.
 pennsylvanica, 549.
 striata, 438, 591.
 tigrina, 437.
 townsendi, 75.
- Dendroica vigorsi, 438, 550, 571.
 virens, 142.
- Dent, Paul, and Joherst, Dent, Bohemian Waxwing at Salem, Mo., 460.
- Dicaeum minullum uchidai, 490.
 nigilore, 631.
- Dichropogon, 177.
- Dickcissel, 601.
- Dicrurus elgonensis, 489.
- Diglossa mystacalis albilinea, 165.
- Dinornis maximus, 624.
- Diomedea irrorata, 161.
- District of Columbia, birds of, 291.
- Dixon, Joseph, review of his 'Wild Ducks in a City Park,' 158.
- Dodo, 496.
- Dolichonyx oryzivorus, 69.
- Dove, Ground, 376.
 Inca, 51.
 Mourning, 51, 130, 597.
 Western Mourning, 65, 397.
- Dowitcher, 143, 260, 307, 523, 540.
 Long-billed, 501, 523.
- Dryobates borealis, 569.
 leucotos stechowi, 636.
 major balcanicus, 630.
 m. italiae, 630.
 m. candidus, 630.
 pubescens homorus, 67.
 p. medianus, 67, 285,
 p. microleucus, 285.
 p. pubescens, 569.
 scalaris cactophilus, 146.
 s. bairdi, 52, 146.
 s. **giraudi**, 146.
 villosus, 399.
 v. monticola, 67.
 v. villosus, 545.
- Dryodromus rufifrons turkanae, 488.
- Duck, Black, 78, 82, 260, 287, 289, 370, 386, 387, 543, 568.
 Lesser Scaup, 51, 244, 260, 354, 431.

- Duck, Red-legged Black, 289.
 Ring-necked, 51, 304, 355, 369, 431.
 Ruddy, 245, 370.
 Scaup, 260, 354, 370, 387.
 Wood, 543.
- Dumetella carolinensis*, 75, 306, 571, 593.
- Dunlin, see Sandpiper, Red-backed.
- Dutcher, William, obituary notice of, 606.
- Dwight, Jonathan, nomenclatural casuistry, 145; the plumages of Gulls in relation to age as illustrated by the Herring Gull (*Larus argentatus*) and other species, 262-268.
- EAGLE, Bald, 375, 569, 597,
 Golden, 66, 398, 433.
 Kamchatkan Sea, 250.
 Northern Bald, 433.
- Earnshaw, F. L., see Lawyer, G. A.
- Easter Island, 616.
- Economic Ornithology in Recent Entomological Publications, 322, 619.
- Edson, Wm. L. G., and Horsey, R. E., rare or uncommon birds at Rochester, N. Y., 140-142; Bohemian Waxwing (*Bombycilla garrula*) at Rochester, N. Y., 461; Labrador Brown-cap Chickadee at Rochester, Monroe Co., N. Y., 463.
- Egretta brevipes, 177.
 candidissima, 393, 568.
- Egret, 260, 432, 568-579.
 Snowy, 393, 568.
- Egypt, 620.
- Eider, 596.
 King, 618.
- Eifrig, C. W. G., in the haunts of Cairns' Warbler, 551-558; additions to 'The Birds of Allegany and Garrett Counties, Md.' 598-600.
- 'El Hornero,' reviewed, 173.
- Elanus axillaris*, 321.
 leucurus majusculus, 477.
- Elaenia flavogaster macconnelli*, 177.
 cristata whitelyi, 177.
- Elminia, 302.
- Elseya dubia, 279.
- Emberiza schoeniclus volgae*, 630.
- Empidonax difficilis*, 68.
 griseus, 133.
 flaviventris, 92, 435, 547.
 minimus, 69, 435, 547.
 traillii traillii, 68.
 t. alnorum, 65, 435.
 virescens, 92.
 wrighti, 69, 401.
- Empidonomus varius parvirostris*, 329.
- 'Emu, The,' reviewed, 172, 330, 625.
- Endomychura*, 275.
- England, birds of, 151, 158, 610, 616.
- Eno, Henry Lane, Evening Grosbeaks at Princeton, New Jersey, 456.
- Enodes erythrophrys centralis*, 631.
- Eophona melanura melanura*, 320.
 migratoria pulla, 320.
- Eremomela badiceps turneri*, 488.
 elegans elgonensis, 488.
- Ereunetes mauri*, 528.
 pusillus, 128, 527.
- Erismatura*, 446.
 jamaicensis, 245, 370.
- Erithacus rubecula atlas*, 328.
- Erolia ferruginea*, 284.
 f. chinensis, 284.
 maritima quarta, 631.
- Eroliinae*, 442.
- Erranornis**, 302.
 albicauda, 302.
 longicauda, 302.

- Erranornis, schwebischi, 302.
 teresita, 302.
Erratum, 468.
Erythropygia, 493.
Erythromyias timorensis, 629.
Essex County Ornithological Club,
 notice of 'Bulletin,' 318.
Estrilda astrild litoris, 493.
 niedieki, 333.
 a. adesma, 333.
 incana hapalochroa, 333.
Ethelornis, 609.
Eunetta falcata, 250, 277.
Euchloris riefferi signata, 629.
Euphagus carolinus, 70, 436.
 cyanocephalus, 52, 70, 405.
 c. minusculus, 623.
Eupoda asiatica, 279.
 montana, 279.
Eupsychortyx cristatus cristatus,
 214.
 c. horvathi, 219.
 leucopogon decoratus, 210.
 l. leucopogon, 203.
 l. leucotis, 207.
 l. littoralis, 211.
 sonnini mocquersyi, 201.
 s. sonnini, 194.
Europe, birds of, 166, 481.
Eurystomus calonyx, 337.
Euscarthmus gularis, 175.
 impiger **cearae**, 109.
 i. impiger, 109.
 i. inornatus, 109.
 rufilatus, 175.
Eusiptornoides, 164.
Eustephanus fernandensis, 616.
 leyboldii, 616.
Examthemops, 278.
 rossi, 278.
FALCO aesalon, 447.
 columbarius columbarius, 544.
 mexicanus, 66, 398.
 islandus, 132.
 moluncensis bernsteini, 630.
 Falco m. ventralis, 630.
 peregrinus anatum, 310, 398.
 regulus, 447.
 sparverius, 52, 545.
 s. phalaena, 66, 399.
 s. sparverius, 52, 66, 308.
'Falco,' reviewed, 494.
Falcon, Prairie, 66, 398.
Farley, J. A., sandpipers wintering
 at Plymouth, Massachusetts, 78-
 84.
Farwell, Ellen D., notice of her
 'Bird Observations near Chicago,'
 157.
Finch, Black Rosy, 70.
 Cassin's Purple, 70, 405.
 Gray-crowned Rosy, 70.
 Hepburn's Rosy, 70.
 House, 70, 405.
 Purple, 47, 548 584.
Figgins, J. D., the status of the sub-
 specific races of *Branta canadensis*, 94-102.
'Fins, Feather and Fur,' noticed,
 483.
Fisher, A. K., In Memoriam: Ly-
 man Belding, 33-45.
Fleisher, Edward, Notes on the
 birds of southeastern North Caro-
 lina, 565-572.
Flanagan, J. A., obituary notice of,
 639.
Fleming, J. H., and Lloyd, Hoyes,
 Ontario bird notes, 428-439.
Fleming, J. H., see also Saunders,
 W. E.
Flicker, 52, 387, 392, 570.
 Northern, 309, 546.
 Red-shafted, 52, 68, 400.
Florida, birds of, 128-130, 142-143,
 258, 261, 476.
Florida caerulea, 568, 590.
Floyd, Charles B., Orange-crowned
 Warbler (*Vermivora celata celata*)
 in Massachusetts, 137; Great

- Crested Flycatcher in Massachusetts in winter, 295.
 Flycatcher, Acadian, 92.
 Alder, 68, 435, 555.
 Ash-throated, 68, 400.
 Crested, 144, 295, 555, 570.
 Gray, 133.
 Green-crested, 92.
 Least, 69, 435, 453, 547, 555.
 Olive-sided, 68, 305, 435, 466, 546.
 Traill's, 68.
 Western, 68.
 Wright's, 69, 401.
 Yellow-bellied, 92, 435, 547.
 Forbush, E. H., notice of his 'Outdoor Bird Study' and 'Bird Houses and Nesting Boxes,' 159.
 Ford, Louise P., see Pellew, Marion J.
 Fossil Birds, semicentennial of the discovery of, in North America, 516.
 Francolinus, 493.
 Frederickena, 177.
 Freeman, Daniel, notice of his 'A Bird Calendar of the Fargo Region,' 478.
 Fringilla coelebs, 608.
 teydea, 608.
 Frost, Allen, and Crosby, M. F., some summer residents of Dutchess County, N. Y., 597.
 Frugilegus, 176, 280.
 frugilegus, 280.
 Fulica americana, 51, 64, 394.

 GADWALL, 64, 240, 260, 370.
 Galapagos, birds of, 162.
 Galerida cristata muhlei, 612.
 Gallinago delicata, 64, 522, 543.
 Gallinule, Purple, 130, 597.
 Galloperdix spadicea stewarti, 328.
 Gallus gallus bankiva, 320.
 g. ferrugineus, 320.
 g. gallus, 320.

 Gannet, 388, 431.
 Garrulax milleti, 170.
 Gavia, 445.
 arctica viridigularis, 275.
 immer, 258, 286.
 Gehring, John George, William Brewster: an appreciation, 24-27.
 Gelochelidon anglica, 276.
 nilotica aranea, 276.
 Geocichla, 493.
 Geococcyx californianus, 52.
 Georgia, birds of, 257-258, 454.
 Geositta, 164.
 Geothlypis trichas, 571.
 t. occidentalis, 75, 410.
 t. trichas, 306, 550.
 Germany, birds of, 333.
 Gerygone griseus, 332.
 Gifford, E. W., notice of his 'Field Notes on the Land Birds of the Galapagos Islands,' 162.
 Giraud, J. P., note on, 146.
 Glareola, 493.
 Glaucidium perlatus, 178.
 Glaucion, 446.
 Glaucionetta clangula americana, 442.
 c. clangula, 629.
 islandica, 442.
 Globicera oceanica townsendi, 159.
 Gnatcatcher, Blue-gray, 55, 144, 258, 438, 464, 542.
 Golden-eye, 51, 135, 232, 369, 386, 372, 542.
 Barrow's, 356.
 Goldfinch, 71, 548, 555.
 Arkansas, 71.
 Goldfinch, European, 481.
 Pale, 71.
 Godwit, Marbled, 142, 304, 540, 580, 581.
 Hudsonian, 304, 432.
 Goose, Blue, 260, 432, 468.
 Canada, 291.
 Hutchin's, 251.
 Snow, 251, 432.

- Goshawk, 66.
 Western, 310.
- Grackle, Boat-tailed, 259, 295, 570.
 Bronzed, 70, 387, 547.
 Great-tailed, 53.
 Purple, 454.
- Gracula chrysoptera, 468.
 nobilis, 468.
- Grallaria watkinsi, 315.
 boliviana, 315.
- Graucalus caledonicus thilenii, 332.
 macei andamanus, 332.
- Great Britain, birds of, 151, 158,
 610, 616.
- Grebe, Eared, 62, 231, 304.
 Holboell's, 304, 430.
 Horned, 557.
 Pied-billed, 50, 63, 235, 304,
 431, 542, 557.
 Western, 63.
- Gregory, Stephen S., Jr., Harris's
 Sparrow in northern Michigan,
 135.
- Grinnell, George Bird, recollections
 of Audubon Park, 372-380.
- Grinnell, Joseph, sequestration
 notes, 84-88; review of his 'The
 English Sparrow in Death Val-
 ley,' 478. See also Hall, H. M.
- Griscom, Ludlow, notes on the win-
 ter birds of San Antonio, Texas,
 49-55; see also Miller, W. deW.
- Griscom, Ludlow, and Janvrin, Dr.
 E. R. P., the Black Skimmer on
 Long Island, N. Y., 126.
- Grosbeak, Black-headed, 73, 407.
 Blue, 558, 585.
 Evening, 141, 298, 299, 308,
 436, 455, 456, 547.
 Pine, 305, 308, 436.
 Rose-breasted, 305, 436, 548,
 557.
 Western Evening, 299.
- Grouse, Dusky, 65.
 Ruffed, 392, 544, 557.
 Sage, 474.
- Grus canadensis, 600.
- Guillemot, Black, 386, 596.
- Guiraca caerulea caerulea, 558, 598.
- Gull, Bonaparte's, 259.
 Franklin's, 237.
 Great Black-backed, 80, 431.
 Herring, 80, 259, 542, 567, 596.
 Iceland, 140.
 Laughing, 259, 567.
 Ring-billed, 63, 237, 259.
 Sabine's, 311.
- Gymnobucco, 493.
- Gymnoris pyrgita reichenowi, 333.
- Gymnostenops montezumae, 603.
- Gyr Falcon, White, 132.
- HAEMATOPUS bachmani, 253.
 frazari, 279.
 palliatu, 540, 569.
 p. frazari, 279.
- Haliaetus leucocephalus alascanus,
 433.
 l. leucocephalus, 569.
- Hall, H. M. and Grinnell, Joseph,
 review of their 'Life-Zone Indi-
 cators in California,' 163.
- Halobaena caerulea, 335, 505.
- Hanna, G. Dallas, additions to the
 avifauna of the Pribilof Islands,
 Alaska, including four species
 new to North America, 248-254.
- Haplornis, 160.
- Harelda, 442.
 hyemalis, 370, 442.
- Harper, Francis, the song of the
 Boat-tailed Grackle, 295-297.
- Harpyhaliaetus coronatus, 154.
- Hartert, E., review of his 'Vogel der
 palaarktischen Fauna,' 472.
- Hawk, Broad-winged, 467, 544, 557.
 Cooper's, 66, 293, 398, 433,
 544, 557.
 Desert Sparrow, 66, 399.
 Duck, 310, 398.
 Harlan's, 130.
 Marsh, 52, 65, 391, 398, 544.

- Hawk, Pigeon, 544.
 Red-shouldered, 48.
 Red-tailed, 48, 52, 544, 557.
 Rough-legged, 66, 253.
 Sharp-shinned, 52, 65, 398, 544, 557.
 Sparrow, 52, 66, 308, 545.
 Western Red-tailed, 66, 398.
 Headley, F. W., obituary notice of, 638.
 Hedydipna platyura karamojoensis, 489.
 Hedymeles melanocephalus papago, 282.
 m. melanocephalus, 282.
 Helinaia, 444.
 swainsoni, 445, 589.
 Hellmayr, C. E., and Laubmann, A., review of their, 'Nomenclator der Vogels Bayerns,' 617.
 Helmuth, W. T., extracts from notes made while in naval service, 255-261.
 Helodromas, 443, 451.
 solitarius, 128, 432, 534, 544.
 s. cinnamomeus, 64.
 Hemipus hirundinaceus, 335.
 obscurus, 335.
 Hemixus tickelli griseiventer, 170.
 Hen, Heath, 386, 391.
 Henicorhina leucosticta hauxwelli, 624.
 Henninger, W. F., on the nesting of the Black Duck in Ohio, 287; the Plain Titmouse, a new bird for Oregon, 594.
 Henshaw, Henry W., In Memoriam: William Brewster, 1-23.
 Herodias, 441.
 egretta, 432, 568, 579.
 Heron, Black-crowned Night, 64, 260, 394, 449, 568.
 Great Blue, 51, 64, 143, 260, 304, 393, 543, 566, 568.
 Heron, Little Blue, 260, 566, 568.
 Louisiana, 260, 261, 566, 568, 580.
 Yellow-crowned Night, 260.
 Herpornis xantholeuca sordida, 170.
 Hesperiphona vespertina montana, 299.
 v. vespertina, 141, 308, 406, 455, 456, 547, 585.
 Heteractitis, 443.
 brevipes, 278.
 Heteromirafra archeri, 329.
 Heteroscelus, 443.
 brevipes, 250.
 incanus, 443.
 Hewitt, Charles Gordon, obituary notice of, 511.
 Himantopus, 447.
 mexicanus, 396.
 Hine, John S., review of his 'Birds of the Katmai Region, Alaska,' 150-151.
 Hippolais pallida, 333.
 caligata, 333.
 Hirundo, 448.
 erythrogastra, 73, 407, 571.
 Hoffman, Ralph, a Raven pellet, 454.
 Holland, birds of, 147, 320.
 Hollister, N., notice of his 'Report of the Superintendent of the National Zoological Park,' 480; notice of his 'The National Zoological Park,' 319; relative abundance of wild ducks at Delavan, Wisconsin, 367-371.
 Holt, Ernest G., Bachman's Warbler breeding in Alabama, 103-104.
 Horsey, R. E., see Edson, Wm. L. G.
 Horsfall, R. Bruce, review of his paper on the habits of the Sage Grouse, 474.
 Howe, R. Heber, Jr., Egret at South Orleans, Mass., 579.

- Howell, A. H., obituary notice of Thomas McA. Owen, 510.
- Huber, Wharton, description of a new North American duck, 273-274.
- Hudson, W. H., notice of his 'The Book of a Naturalist', 158; review of his 'Birds in Town and Village', 610; review of his 'Adventures among Birds', 610.
- Hummingbird, Broad-tailed, 68, 400.
- Ruby-throated, 258, 305, 434, 570, 576.
- Hydranassa tricolor ruficollis, 566, 568, 580.
- Hydrobates, 441.
- pelagicus, 441.
- Hydrochelidon, 440.
- nigra surinamensis, 64, 238.
- Hydrocoloeus, 276.
- minutus, 276.
- Hydroprogne, 440.
- caspia imperator, 276.
- Hylocichla aliciae aliciae, 254, 283.
- a. bicknelli, 284, 591.
- fuscescens fuscescens, 48.
- f. salicicola, 77.
- guttata, 55.
- g. auduboni, 77.
- g. guttata, 77.
- g. pallasi, 551.
- minima aliciae, 283.
- m. bicknelli, 284.
- mustelina, 572.
- ustulata swainsoni, 77, 551.
- u. ustulata, 465.
- Hylodyptes, 315.
- erythrocephalus, 315.
- Hypocnemis poecilonota, 177.
- Hypocentor, 280.
- rusticus, 281.
- Hypolophus, 177.
- bernardi cajamarcae, 628.
- Hypothymis, 160.
- Hypsibates, 447.
- IBIDIDAE, 441.
- 'Ibis, The,' reviewed, 170, 327, 488, 624.
- Icteria virens longicauda, 75.
- v. virens, 313, 438.
- Icterus bullocki, 70.
- spurius, 570.
- Ichthyomus, 423.
- Ifrita coronata, 624.
- kowaldi, 624.
- Illinois, birds of, 137, 157, 301, 466, 600, 616.
- Illinois Audubon Society, notice of 'Bulletin', 483.
- International Ornithological Congress, 179.
- Ionornis martinicus, 130.
- Iowa, birds of, 156, 306-309, 620.
- Iredale, Tom T., Ridgway's Birds of North and Middle America, Vol. VIII, 344-345.
- Iridoprocne bicolor, 548, 571, 598.
- Ithaginis clarkei, 329.
- Ixobrychus sinensis moorei, 159.
- JAEGER, Long-tailed, 261.
- Parasitic, 261.
- Pomarine, 261.
- Janvria, Dr. E. R. P., see Griscom, Ludlow.
- Japan, birds of, 411, 477.
- Jay, Blue, 547, 570.
- Canada, 134, 547.
- Long-crested, 69, 401.
- Rocky-Mountain, 401.
- Woodhouse's, 69.
- Pinon, 69, 402.
- Joherst, Dent see Dent, Paul.
- Johnson, Charles Eugene, an occult food sense in birds, 339-341; summer bird records from Lake County, Minnesota, 541-551.
- Jourdain, F. R. C., see Mullens, W. H.

- 'Journal für Ornithologie,' reviewed, 333, 493, 630.
 Juan Fernandez Islands, birds of, 616.
 Junco, 53, 383.
 Gray-headed, 72.
 Montana, 72.
 Pink-sided, 72.
 Shufeldt's, 72.
 Slate-colored, 72, 254, 548, 597.
 White-winged, 72.
 Junco aiken, 72.
 hyemalis carolinensis, 556.
 h. connectens, 72.
 h. hyemalis, 72, 254, 548.
 h. mearnsi, 72.
 h. montanus, 72.
 insularis, 281.
 mearnsi insularis, 281.
 m. townsendi, 281.
 oreganus townsendi, 281.
 phaeonotus caniceps, 72.
 vulcani, 603.
 KANSAS, birds of, 457.
 Kennard, Fred H., notes on the breeding habits of the Rusty Blackbird in northern New England, 412-422.
 Kent, Edward G., Pileated Woodpecker in Morris County, N. J., 132.
 Killdeer, 51, 65, 105, 260, 309, 397, 537, 557.
 Kingbird, 68, 144, 310, 435, 546, 555, 570, 597.
 Arkansas, 68, 142.
 Cassin's, 400.
 Kingfisher, Belted, 52, 67, 261, 545, 569.
 Kinglet, Golden-crowned, 54, 77, 551.
 Ruby-crowned, 55, 76, 85, 438, 572, 594.
 Kite, White-tailed, 321.
 Kittiwake, 80.
 Klamath Lake bird reservation, 347.
 Kloss, C. Boden, see Robinson, H. C.
 Knestrometopon, 493.
 Knipolegus comatus, 175.
 lophotes, 175.
 Knot, 451, 466, 525.
 Krieker, 304, 525.
 Kumlien, Ludwig, biography of, 640.
 Kuroda, Nagamichi, some North American birds obtained in Japan, 311; notice of his 'Descriptions of Five New Forms of Japanese Pheasants', 477.
 LAGONOSTICTA rhodopareia neglecta 333.
 rubricata, reichenowi, 493.
 Lagopus leucurus rainierensis, 623.
 Lamprolaima cupreipennis, 328.
 olivacea, 328.
 rothschildi, 328.
 Lamprocolius, 493.
 Lanivireo solitarius plumbeus, 74, 408.
 s. solitarius, 549, 571.
 Lanius borealis, 74.
 hypoleucus siamensis, 332.
 ludovicianus excubitorides, 54, 74.
 l. grinnelli, 170, 282.
 l. migrans, 136, 306.
 Lano, Albert, Trumpeter Swan (*Olor buccinator*) in western Minnesota, a correction, 127; Evening Grosbeak (*Hesperiphona v. vespertina*), in Minnesota in midsummer, 455.
 Lark, Desert Horned, 69.
 Prairie Horned, 555.
 Horned, 81, 390.
 Saskatchewan Horned, 69.

- Larus affinis*, 268, 344.
 atricilla, 268, 567.
 a. megalopterus, 276.
 argentatus, 268, 542, 567.
 brachyrhynchus, 268, 276.
 californicus, 268.
 canus, 268, 276.
 delawarensis, 63, 237, 268.
 franklini, 237, 268.
 fuliginosus, 331.
 fuscus, 344.
 f. britannicus, 344.
 glaucescens, 268.
 glaucus, 446.
 heermanni, 268.
 hyperboreus, 268, 446.
 h. barrovianus, 166, 284.
 h. hyperboreus, 284.
 kumlieni, 268.
 leucopterus, 140, 208.
 marinus, 268, 431.
 minutus, 268.
 nelsoni, 268.
 occidentalis, 268.
 o. livens, 276.
 philadelphia, 268.
 schistisagus, 268.
 vegae, 268.
Latham, Roy, unusual habits of the Chimney Swift, 132-133; birds of irregular occurrence on Long Island, N. Y., 306.
Laubmann, A., see *Hellmayr, C. E.*
Lawrence, Newbold T., wild swan on Long Island, N. Y., 127.
Lawyer, Geo. A. and Earnshaw, F. L., review of their 'Game Laws for 1920,' 614.
Leavitt, Robert G., review of his 'Bird Study in Elementary Schools,' 609.
Legatus albicollis successor, 328.
 variegatus nevagans, 328.
 'Le Gerfaut', reviewed, 331, 491, 628.
 'L'Oiseau,' reviewed, 491, 627.
Leptasthenura punctigula, 165.
 andicola peruviana, 165.
Leptophaethon catesbyi, 277.
 lepturus catesbyi, 277.
Leptopogon rufipectus, 629.
 superciliaris albidiventer, 629.
 taczanowski, 629.
Leopold, Nathan F., Jr., Bohemian Waxwing at Chicago, Ill., 137; rare and unusual birds in the Chicago area, during the spring of 1920, 600; see also *Watson, J. D.*
Leucopolius, 285.
 alexandrinus nivosus, 279.
Leucosticte atrata, 70.
 tephrocotis littoralis, 70.
 t. tephrocotis, 70.
Lewis, G. P., see *Watson, J. D.*
Lewis, Harrison F., the Blue-gray Gnatcatcher (*Poliophtila caerulea caerulea*) at Quebec, P. Q., 464; popular nomenclature, 501-503; the Willet (*Catoptrophorus semipalmatus semipalmatus*) in Nova Scotia, 581; breeding of the Semipalmated Plover (*Aegialitis semipalmata*) in Yarmouth County, Nova Scotia, 581; notes on the Acadian Sharp-tailed Sparrow (*Passerherbulus nelsoni subvirgatus*), 587; the Black-poll Warbler and Bicknell's Thrush at Yarmouth, Nova Scotia, 591; song of the Ruby-crowned Kinglet, 594; popular bird names, 634.
Limicolae, 519-540.
Limicola falcinella, 176.
 platyrhyncha, 176.
Limnocinclus, 284.
 acuminatus, 278.
Limnodromus, 442.
 griseus griseus, 442.
 g. scolopaceus, 442.

- Limnothlypis*, 444.
 swainsonii, 445, 589.
Limosa, 285.
 fedoa, 142, 551, 580.
 haemastica, 432.
Linaria, 448.
 caniceps, 300.
 Lincoln, F. C., birds of the Clear Creek district, Colorado, 60-77; the status of Harlan's Hawk in Colorado, 130-131; *Zonothichia albicollis* again in Colorado, 300; a peculiarly marked example of *Dumetella carolinensis*, 593.
 Lloyd, Hoyes, see Fleming, J. H.
Lobipes lobatus, 258, 521.
Lochites, 177.
 Lonnberg, Einar, review of his 'Birds of the Juan Fernandez and Easter Islands,' 615.
 Longspur, Alaska, 71.
 Chestnut-collared, 53.
 Loomis, Leverett M., on *Procellaria alba*, Gmelin, 88-91.
 Loon, 258, 286, 542, 567.
Lophodytes cucullatus, 369, 542.
 Louisiana, birds of, 126, 259-260.
Loxia coccythraustes, 496.
 curvirostra meridionalis, 171.
 c. percna, 298, 456.
 leucoptera, 134, 436, 457, 598.
 Lucar, 448.
 Lunda, 446.
 McATEE, W. L., abundance of periodical cicadas diverting attacks of birds from cultivated fruits, 144-145; reviews of papers on economic ornithology, 168, 322-325, 483-485, 619-622; the search for food by birds, 341-344; see also Oberholser, H. C.
 McCulloch, J. W., notice of his papers on economic ornithology, 322.
 McGregor, R. C., review of his 'Index to the Genera of Birds,' 471.
 Macaw, Hyacinth, 293.
 Macedonia, birds of, 611.
Mackenziaena, 177.
Macropygia ruficeps, 633.
 sumatranus, 633.
Machrorhamphus, 442.
 griseus griseus, 143, 307, 523, 540.
 scolopaceus, 601, 523.
 Macoun, James Melville, obituary notice of, 346.
Macrosphenus albigula, 492.
 Magee, M. J., Least Flycatcher in Michigan in April, 453.
 Magpie, 69, 134, 401.
 Mailliard, Joseph, notice of his 'Notes on the Avifauna of the Inner Coast Range of California,' 156.
 Maine, birds of, 130, 256, 412-422, 462.
 Maitland, R. L., obituary notice of, 640.
Malacotus, 493.
 Mallard, 50, 64, 238, 259, 369, 387, 543.
 Manitoba, birds of, 585.
Mareca americana, 51, 241, 288, 311, 370.
 penelope, 288.
Marila affinis, 51, 244, 277, 354, 369, 431.
 americana, 51, 243, 277, 354, 370.
 collaris, 51, 355, 369, 431.
 ferina americana, 277.
 marila, 354, 370.
 m. affinis, 277.
 valisineria, 51, 244, 252, 355, 370.
 Martin, Purple, 92, 308, 407, 436, 571.
 Maryland, birds of, 551-558, 598.
 Massachusetts, birds of, 78-84, 137, 288, 289, 295, 301, 318, 464, 467, 579, 606.

- Mathews, Gregory M., name of the Red-faced Booby, 180; *Procellaria vittata* Forster is not *Halobaena caerulea* Gmelin, 505-507; review of his 'The Birds of Australia,' 470, 609; review of his 'Check List of the Birds of Australia,' 469.
- Meadowlark, 435, 555, 570.
Western, 52, 70, 405.
- Mecocerculus subtropicalis, 315.
- Megacephalon maleo, 330.
- Megaceryle alcyon, 424-429.
guttata, 424-429.
maxima, 424-429.
torquata, 424-429.
- Megalopterus minutus kermadeci, 345.
m. minutus, 345.
- Megaquiscalus major macrourus, 53.
m. major, 295, 570.
- Melanerpes erythrocephalus, 67, 145.
e. erythrophthalmus, 280.
erythrophthalmus, 145.
formicivorus formicivorus, 52.
- Melanitta, see Oidemia.
- Melanopica, 496.
- Melanosterna, 284.
anatheta recognita, 277.
- Meleagris, 440.
gallopavo silvestris, 569.
g. merriami, 397.
- Melipotes ater, 631.
- Mellisuga coccinea, 468.
- Melospiza georgiana, 306, 436, 598.
lincolni lincolni, 72.
melodia, 54, 548.
m. melodia, 548.
m. montana, 72, 406.
- Merganser, 238, 370, 387, 431, 542.
Hooded, 304, 369, 542.
Red-breasted, 50, 304, 370, 388, 431, 568.
- Mergus americanus, 238, 277, 431, 542.
merganser americanus, 277.
serrator, 50, 370, 431, 568.
- Merops spiza, 468.
- Merrem, Blasius, note on his 'Beitrage zur besondern Geschichte der Vogel,' 468.
- Merula, 448.
- Mesia argentauris cunhaci, 170.
- Mesoscolopax, 279.
borealis, 278.
- Micropalama himantopus, 524.
- Micropus peruvianus, 315.
- Microsittace ferrugineus minor, 165.
- Michigan, birds of, 135, 136, 453, 463, 572, 604.
- Migration, 604, 616.
- Migratory bird treaty, 513.
- Miller, Waldron DeW., the genera of Ceryline Kingfishers, 422-429; the summer resident warblers of northern New Jersey, 592; the Hudsonian Chickadee in New Jersey, 593.
- Miller, W. DeW., and Griscom, Ludlow, breeding of the Mourning Dove in Maine, 130; breeding of the Canadian Warbler and Northern Water-Thrush in northern New Jersey, 137; the Bluebird in Cuba, 140.
- Mimus antelius, 175.
lividus, 175.
polyglottos leucopterus, 54, 75, 410.
p. polyglottos, 93, 571.
- Minnesota, birds of, 127, 134, 137, 455, 541-551.
- Mionectes straticollis columbianus, 315.
- Missouri, birds of, 309, 460, 467.
- Mniotilta varia, 142, 258, 261, 549.
- Mockingbird, 93, 571.
Western, 54, 75, 410.

- Molothrus ater*, 52, 402.
 a. ater, 69, 306, 584.
 badius bolivianus, 628.
Montana, birds of, 132, 451.
Morgan, Brent M., flight of water-fowl at Washington, D. C., 291.
Morinella, 447.
Moris, 441.
 bassana, 441.
Morphnus, 154.
Morris, Robert O., notes from Springfield, Mass., 467.
Motacilla regulus, 496.
Mullens, W. H., Swann, H. Kirke, and Jourdain, F. R. C., review of their 'A Geographical Bibliography of British Ornithology,' 152, 317, 475, 616.
Munia calaminoros, 333.
 punctulata particeps, 631.
Murie, O. J., appearance of the Canada Jay at Moorehead, Minn., 134.
Murphy, Robert C., notice of his 'Sea Coast and Islands of Peru,' 613.
Murrelet, Marbled, 251.
Muscicapa cinereiceps, 320.
 ferruginea, 320, 468.
 parulus, 453.
 sibirica cacabata, 320.
 s. fuliginosa, 320.
Muscylva, 160.
Museum of Vertebrate Zoology of the University of California, endowment of, 188.
Myadestes townsendi, 77.
Myiagra longicauda, 302.
 townsendi, 159.
Myiarchus crinitus, 144, 295, 570.
 cinerascens cinerascens, 68, 400.
Myioborus bolivianus, 315.
Myiochanes virens, 547.
 richardsoni richardsoni, 68, 401.
Myiodynastes solitarius duncani, 329.
Myrmotherula cinereiventris, 177.
Myzomela rubrata dichromata, 160.
NANNUS, 472.
 alascensis, 283.
 meliger, 283.
 hiemalis helleri, 283.
 h. hiemalis, 283, 550.
 h. pacificus, 283.
 h. semidiensis, 283.
 troglodytes alascensis, 283.
 t. helleri, 283.
 t. hiemalis, 283.
 t. kiskensis, 283.
 t. meliger, 283.
 t. pacificus, 283.
 t. petrophilus, 283.
 t. semidiensis, 283.
 t. tanagensis, 283.
National Association of Audubon Societies, annual report of, 317.
National Parks, bird lists of, 614.
Nebraska, birds of, 476.
Nelson, E. W., report of the chief of the Biological Survey, 167.
Neoglottis, 278.
 flavipes, 278.
 melanoleuca, 278.
Netta, 284.
Nettion carolinense, 51, 64, 241, 284, 306, 307, 369.
 crecca, 252.
 c. carolinense, 284, 311.
Nevada, birds of, 133.
New Hampshire, birds of, 412-422.
New Jersey, birds of, 132, 137, 162, 292, 456, 580, 591, 592, 593, 594.
New Mexico, birds of, 221-247, 273.
New York, birds of, 46-49, 126, 127, 140-142, 298, 299, 302, 306, 307, 449, 452, 456, 461, 466, 581, 598.
Newfoundland, birds of, 292, 298.

- Nichol, M. J., review of his 'Hand-list of the Birds of Egypt,' 81.
- Nichols, John Treadwell, Limicoline voices, 519.
- Nichols, John Treadwell, and Rogers, Charles H., the Marbled Godwit on Long Island, N. Y., 581.
- Nighthawk, 391, 392, 434, 546.
- Western, 68, 400.
- Nomenclature, 145, 147.
- Nonpareil, 300.
- North Carolina, birds of, 130, 149, 257, 565-572.
- North Dakota, birds of, 132, 136, 478.
- Notodela diana sumatrana, 153.
- Nova Scotia, birds of, 581, 582, 583, 587, 591.
- Nucifraga columbiana, 297.
- Numeniinae, 443.
- Numenius hudsonicus, 536.
- tahitiensis, 253.
- Nutcracker, Clarke's, 297.
- Nuthatch, Brown-headed, 572.
- Red-breasted, 142, 305, 310, 438, 550, 571.
- Rocky Mountain, 76, 411.
- Pygmy, 76, 310, 411.
- Nuttall Ornithological Club, annual meeting of, 185.
- Nuttallornis borealis, 68, 435, 466, 546.
- Nyctala, 449.
- Nycticorax nycticorax naevius, 64, 394, 449, 568.
- Nyroca, 284.
- Nystalus maculatus nuchalis, 316.
- OBERHOLSER, H. C., the Hawk Owl in North Dakota, 132; *Empidonax griseus* in Nevada, 133; *Lanius ludovicianus migrans* in North Dakota, 136; fifth annual list of proposed changes in the A. O. U. Check-List of North American Birds, 274-285; *Aeronautes melanoleucus* (Baird) versus *Aeronautes saxatilis* (Woodhouse), 294; a new name for *Phaeochroa* Gould, 295; *Elminia* Bonaparte preoccupied, 302; *Toxostoma crissalis* versus *Toxostoma dorsalis*, 303; *Tringa* Auct. versus *Calidris* Anon., 451; a new name for *Anairetes* Reichenbach, 453; note on the generic name *Schiffornis* Bonaparte and *Scotothorus* Oberholser, 454; *Penthestes hudsonicus hudsonicus* in North Dakota, 463; review of his 'The Status of *Larus hyperboreus barrovianus* Ridgway,' 166.
- Oberholser, H. C., and McAtee, W. L., review of their 'Waterfowl and Their Food Plants in the Sandhill Region of Nebraska,' 476.
- Oberholseria, 444.
- chlorura, 407, 444.
- Ocelletus, 496.
- Ochthodromus, 105.
- wilsonius, 105, 279, 537, 569.
- Oenanthe, 445.
- oenanthe oenanthe, 445.
- o. leucorhoa, 303, 445.
- Ohio, birds of, 287.
- Oidemia americana, 278, 365, 370, 568.
- deglandi, 252, 310, 366, 370, 431.
- d. dixonii, 252.
- nigra americana, 278.
- perspicillata, 366, 370, 432, 568.
- Okefinokee swamp, 347.
- Oldsquaw, 370.
- Oliver, H. K., obituary notice, of 639.
- Olor, 447.
- buccinator, 127.
- columbianus, 289, 432, 467.

- Omaston, A. E., notice of his paper on food of Indian birds, 325.
- Ontario, birds of, 429-439.
- Onychognathus, 493.
- Onychoprion, 284.
 fuscatus, 277.
- 'Oologist, The,' reviewed, 170, 327, 487, 623.
- Opopsitta nigrifrons ramuensis, 332.
- Oporornis agilis, 339.
 formosus, 93, 590.
 philadelphia, 137, 550.
 tolmiei, 75.
- Oregon, birds of, 594.
- Oreomanes binghami, 165.
- Oreoscoptes, 75, 410.
 montanus, 410.
- Oreospiza, 414.
 chlorura, 73, 407.
- Oriole, Baltimore, 305, 555.
 Bullock's, 70.
 Orchard, 390, 570.
- Oriolus larvatus reichenowi, 333.
- 'Ornis Germanica,' reviewed, 494.
- Ornithological Journals, reviewed, 168-173, 325-334, 485-494, 622-631.
- Ornithological Societies, membership of, 517.
- 'Ornithologische Beobachter,' reviewed, 172, 330, 492, 627.
- Ornithologische Monatsberichte, reviewed, 331-333, 492, 630.
- 'Ornithologisches Jahrbuch,' reviewed, 173.
- Osgood, W. H., personal mention, 517.
- Osprey, 304, 433, 545, 569.
- Ostinops decumanus, 615.
 d. maculosus, 615.
- Otocoris alpestris enthymia, 69.
 a. leucolaema, 69.
 a. praticola, 435.
- Otus asio aikenii, 66.
 a. maxwelliae, 66.
- Ovenbird, 390, 438, 550.
- Owen, Thomas McAdory, obituary notice of, 510.
- Owl, Aiken's Screech, 66.
 Barn, 308, 467.
 Barred, 49.
 Burrowing, 67, 612.
 Great Horned, 309, 433, 545.
 Hawk, 132.
 Long-eared, 66, 433, 597.
 Northwestern, Horned, 66.
 Richardson's, 447.
 Rocky Mountain Screech, 66.
 Saw-whet, 597.
 Short-eared, 66, 308.
 Western Horned, 67, 399.
- Oxyechus vociferus, 51, 65, 306, 397, 537.
 v. peruvianus, 106.
 v. rubidus, 106.
- Oxyura, 446.
- Oyster-catcher, 540, 569.
 Black, 253.
- PACHYCEPHALA moroka, 631.
 olivacea macphersonianus, 625.
 tenebrosa, 631.
- Pachyrhamphus albiloris, 329.
 chapmani, 329.
 costaricensis, 329.
 macconnelli, 329.
- Pagolla wilsonia wilsonia, 279.
 w. beldingi, 279.
- Pagophila alba, 268, 335, 446, 275.
 eburnea, 275, 335, 446.
- Paleornis krameri borealis, 332.
- Palmen, Johan Axel, obituary notice of, 511.
- Palmer, T. S., the thirty-seventh stated meeting of the American Ornithologists' Union, 110-125; complete sets of 'The Auk,' 348-352; obituary notice of Frank Slater Daggett, 508; obituary notice of Charles G. Hewitt, 511;

- obituary notice of Johan Axel Palmen, 511; permanent funds of the A. O. U., 513; annual congress of the Royal Australasian Ornithologists' Union, 516; semicentennial of the discovery of fossil birds in N. A., 516; Swiss Society for the Protection of Birds, 516; birds of national parks, 614; obituary notices of H. H. Smith, 637, N. A. Sarudny, 638, F. W. Headley, 638, H. K. Oliver, 639, J. A. Flanagan, 639, R. L. Maitland, 640.
- Pandion haliaetus carolinensis*, 433, 545, 569.
- Parasula*, 277.
- Partridge, Canada Spruce, 544.
- Parus ater lusitanicus*, 332.
 brunnescens, 332.
 major *malayorum*, 153.
 palustris balticus, 333.
- Passer domesticus domesticus*, 73, 280, 478, 570, 586.
 d. hostilis, 280.
- Passerculus rostratus*, 175.
 r. guttatus, 285.
 r. halophilus, 281.
 r. sanctorum, 285.
 sandwichensis alaudinus, 53, 71, 405.
 s. savanna, 598, 570.
- Passerella iliaca iliaca*, 72.
- Passerherbulus caudacutus*, 281.
 henslowi, 458, 570.
 lecontei, 281, 299.
 nelsoni subvirgatus, 307, 587.
- Passerina*, 448.
 amoena, 73.
 ciris, 300.
 cyanea, 73, 436.
- Peacock, 385.
- Pearson, T. Gilbert, review of his 'Birds of North Carolina,' 149.
- Pelecanus erythrorhynchus*, 126, 238.
- Pelecanus occidentalis*, 567.
 thagus, 161.
- Pelican, White, 126, 238, 260.
 Brown, 259, 567.
- Pelidna alpina pacifica*, 278.
 sakhalina, 143, 278, 527, 568.
- Pellew, Marion J., and Ford, Louise P., notable warblers breeding near Aiken, S. C., 589.
- Penard, Thomas E., notice of recent papers by, 320; see also Bangs, Outram.
- Penguin, King, 336.
- Pennsylvania, birds of, 155, 176, 303.
- Penthestes atricapillus atricapillus*, 550.
 a. septentrionalis, 76.
 carolinensis agilis, 54.
 c. carolinensis, 488, 572.
 gambeli gambeli, 76, 411.
 hudsonicus hudsonicus, 463, 550, 593.
 h. littoralis, 142, 594.
 h. nigricans, 463, 594.
- Pericrocotus brevirostris*, 489.
 p. pallidus, 489.
 p. saturatus, 489.
 p. styani, 489.
 p. vividus, 489.
 peregrinus, 489.
 speciosus fokiensis, 489.
- Perisoreus canadensis albescens*, 615.
 c. canadensis, 134, 547.
 c. capitalis, 401.
- Perissotriccus ecaudatus miserabilis*, 177.
- Perkins, A. E., notes from Collins, N. Y., 598.
- Pernis celebensis steeri*, 328.
- Peru, birds of, 105-108, 160-161, 165, 613.
- Peters, James L., notice of his 'A New Jay from Alberta,' 615; obituary notice of Barron Brainerd; 184, personal mention, 517.

- Petrel, Leach's, 596.
 Petrella, 446.
 Petrochelidon albifrons hypopolia, 334.
 lunifrons lunifrons, 73, 143, 254, 407.
 Pewee, Western Wood, 68, 401.
 Wood, 47, 547, 555.
 Pezophaps solitarius, 337.
 Placelodomus striaticeps griseipectus, 315.
 Phaeocroa, 295.
 Phaeocrous, 295.
 Phalacrocorax auritus auritus, 306, 567.
 bougainvillei, 161.
 Phalaenoptilus nuttalli nuttalli, 68.
 Phalarope, Northern, 258, 521.
 Red, 156.
 Wilson's, 396.
 Phasianus soemmerringi intermedius, 477.
 s. subrufus, 477.
 torquatus, 65.
 versicolor kiusiensis, 477.
 v. robustipes, 477.
 v. tanensis, 477.
 Pheasant, Ring-necked, 65, 392.
 Pheucticus uropygialis terminalis, 315.
 Phillips, J. C., the American and European Widgeons in Massachusetts, 288; the Whistling Swan (*Olor columbianus*) in Massachusetts, 289; habits of the two Black Ducks, *Anas rubripes rubripes* and *Anas rubripes tristis*, 289.
 Philohela minor, 521.
 Philydor albigularis, 629.
 ochrogaster, 628.
 Phloeotomus pileatus abieticola, 598, 546.
 Phoebe, 52, 68, 435, 546.
 Say's, 68, 401.
 Phyllastrephus albigularis adametzi, 333.
 fischeri cognatus, 492.
 kretzschmari, 493.
 placidus munzneri, 333.
 tephrolaemus usambarae, 492.
 zenkeri, 333.
 Pica pica hudsonia, 69, 134, 401.
 Picoides arcticus, 545.
 Picolaptes affinis neglectus, 602.
 Pierotes, 177.
 Picus bairdi, 146.
 canus hessei, 332.
 viridis dofleni, 630.
 v. romaniae, 630.
 vittatus eisenhoferi, 332.
 Pigeon, Domestic, 392.
 Passenger, 176, 375, 482.
 Pinarolestes nesiotes, 160.
 Pinicola enucleator leucura, 306, 308, 436.
 Pintail, 51, 259, 370, 387.
 Pipilo erythrophthalmus erythrophthalmus, 309, 570.
 fuscus aripolius, 169, 281.
 f. carolae, 282.
 f. crisalis, 282.
 f. senicula, 282.
 crissalis carolae, 282.
 c. crissalis, 282.
 c. senicula, 282.
 maculatus arcticus, 54, 72.
 m. maculatus, 72, 406.
 Pipit, Japanese, 251.
 Pipromorpha oleaginea chapmani, 177.
 o. hauxwelli, 177.
 o. macconnelli, 177.
 o. roraimae, 177.
 o. tobagensis, 177.
 o. wallacei, 177.
 Piranga erythromelas, 143, 282, 436, 458, 548, 571.
 hepatica, 282.
 h. oreophasma, 282.

- Piranga ludoviciana*, 73, 301, 407.
 olivacea, 282.
 rubra rubra, 570.
- Piscatrix*, 277.
- Pisobia*, 284.
 acuminata, 278, 442.
 aurita, 442.
 cooperi, 278.
 fuscicollis, 526.
 maculata, 447, 525, 543, 568.
 minutilla, 128, 143, 526.
 m. subminuta, 278.
 pectoralis, 447.
 ruficollis, 278.
 subminuta, 278.
- Pithecophaga jeffreyi*, 334.
- Pitta angolensis*, 629.
 atricapillus, 335.
 brachyura beryllofulgens, 332.
 sorsisus, 335.
- Planesticus migratorius migratorius*,
 55, 145, 312, 438, 466.
 m. propinquus, 77, 411.
 serranus eumanensis, 629.
- Planchesia fusca*, 320.
 pullata, 320.
- Plectrophenax hyperboreus*, 254.
- Ploceus*, 493.
- Plover*, Black-bellied, 143, 304, 536,
 569.
 Golden, 537.
 Killdeer, see *Killdeer*.
 Piping, 84, 537.
 Semipalmated, 143, 496, 537,
 569, 583.
 Wilson's, 53, 537, 569.
- Pluvialis*, 443.
 apricaria, 443.
 dominica dominica, 443.
 d. fulva, 443.
- Pnoepyga pusilla annamensis*, 170.
 p. harterti, 153.
- Podasocys montanus*, 279.
- Podiceps*, 445.
- Podilymbus podiceps*, 50, 63, 235,
 260, 431, 542.
- Poliolaema*, 177.
- Poliolimnas cinereus ingrami*, 177.
- Polionetta albigularis*, 561.
 leucopareus, 561.
- Polioptila caerulea caerulea*, 55, 144,
 438, 464, 572.
- Polyborus cheriway*, 52.
- Pomatorhinus olivaceus annamensis*, 170.
 tickelli brevirostris, 170.
- Poocetes gramineus confinis*, 53,
 71, 405.
 g. gramineus, 548.
- Poor-will*, 68.
- Porzana carolina*, 64, 432, 543.
 pusilla, 337.
 tabuensis caledonica, 177.
- Potoptera*, 493.
- Prinia flaviventris sindianus*, 625.
 mystacea immutabilis, 488.
 sylvatica, 489.
- Prion vittatus*, 335, 507.
 forsteri, 335.
- Procellaria alba*, 88.
 similis, 507.
 vittata, 505.
- Procelsterna caerulea skottsbergii*,
 616.
- Progne subis subis*, 92, 308, 436, 571
- Protonotaria citrea*, 144, 261.
- Prunella modularis mabbotti*, 335.
- Pseudacanthus*, 328.
- Pseudochloris uropygialis connectens*, 165.
 olivascens sordida, 165.
- Pseudocolaptes boissonneautii medianus*, 630.
- Pseudoconopophaga*, 177.
- Pseudogeranus leucauchen*, 338.
- Pseudominla atriceps*, 170.
- Pseudosiptornis*, 164.
- Pseudospermestes microrhyncha*,
 333.
- Pseudotadorna cristata*, 490.
- Pternistes*, 493.

- Pterocles lichtensteini abessinicus*, 332.
l. targius, 332.
Pterodroma, 441, 449.
heraldica paschae, 616.
rostrata trouessarti, 177.
Pterythrus oeralatus annamensis, 170.
Puffin, 596.
Puffinus borealis, 149.
tenuirostris, 251.
Pycnonotus bimaculatus barat, 633.
leucotis mesopotamiae, 178.
xanthopygos palaestinae, 333.
Pycnorhinus, 496.
Pyrhula uchidai, 178.

QUERQUEDULA cyanoptera, 242.
discors, 64, 241, 369.
d. albinucha, 277.
Quiscalus quiscula aeneus, 70, 547.
q. ridgwayi, 280.
q. versicolor, 280.

RAIL, Black, 128.
King, 432.
Virginia, 64, 394, 432, 452.
Rallus elegans, 306, 432.
longirostris helius, 631.
virginianus, 64, 394, 432, 452.
Raphus cucullatus, 337.
Rathbun, S. F., White Gyrfalcon (*Falco islandus*) in Montana, 132;
Bohemian Waxwing at Seattle, Washington, during the winter of 1919-20, 458-460.
Raven, 391, 401, 453, 597, 558.
Redhead, 51, 243, 259, 354, 370.
Redpoll, 70, 80, 305, 600.
Redstart, 75, 142, 163, 305, 550, 557, 597.
Regillus, 448.
Regulus, 448.
calendula, 85.
c. calendula, 55, 76, 438, 572, 594.
Regulus satrapa satrapa, 54, 77, 551.
'Revue Francaise d Ornithologie,' reviewed, 172, 330, 491, 627.
Rhipidura lessoni, 160.
Rhodostethia rosea, 268.
r. hartlaubi, 629.
Rhopias fulviventrtris salmoni, 177.
Rhynchocyclus
flaviventrtris gloriosus, 489.
f. collingwoodi, 489.
poliocephalus inquisitor, 489.
sulphurascens examinatus, 489.
Ridgway, Robert, comment on his 'Birds of North and Middle America,' Vol. VIII, 344-345.
Rimator danjoui, 170.
Riparia paludicola chinensis, 335.
p. sinensis, 335.
riparia, 73.
Rissa tridactyla, 268.
brevirostris, 268.
Road-runner, 52.
Roberts, Prewitt, notes on winter birds of the Missouri Ozarks, 309.
Robin, 597.
Robinson, H. C., and Kloss, C. Boden, review of their 'Birds of the Expedition to Korinchi Peak, Sumatra,' 153.
Rowan, Wm., popular nomenclature, 499-501; breeding of the Evening Grosbeak in Manitoba, 585.
Rowan, William, Wolf, E., and Sulman, P. L., review of their 'On the Nest and Eggs of the Common Tern,' 479.
Royal Australasian Ornithologists' Union, annual meeting of, 515, 641.
Rubecula, 449.
Rynchops nigra, 335, 567.

SACHTLEBEN, H., notice of his paper on 'Geographic Forms of Goldfinches,' 481.

- Sakesphorus, 177.
Salpinctes guadaloupensis, 282.
 g. proximus, 282.
 obsoletus, 54, 76.
 o. guadeloupensis, 282.
 o. obsoletus, 76, 410.
 o. proximus, 282.
Sanderling, 78, 432, 529, 568.
Sandpiper, Least, 128, 143, 260, 526, 543, 568.
 Pectoral, 304, 525.
 Red-backed, 78, 143, 527, 568.
 Semi-palmated, 128, 260, 390, 527.
 Solitary, 128, 432, 534, 544.
 Spotted, 65, 260, 396, 535, 544, 557, 569, 596.
 Stilt, 524.
 Western, 528.
 Western Solitary, 64.
 White-rumped, 526.
Sapsucker, Red-naped, 67.
 Yellow-bellied, 52, 546, 556.
 Williamson's, 67, 399.
Sarothrura somereni, 328.
Sarudny, N. A., obituary notice of, 638.
Sathrocercus, 493.
Saunders, A. A., ornithological pronouncement, 181; the color of natal down in passerine birds, 312; birds and tent caterpillars, 312.
Saunders, W. E., additional notes on the birds of Red Deer, Alberta, 304-306.
Saunders, W. E., and Fleming, J. H., A. O. U. luncheons, 498.
Sauropatis sacra rabulata, 159.
 s. celata, 159.
Saxicola, 445.
 oenanthe leucorhoa, 303.
 pyrrhonotus, 629.
Sayornis phoebe, 52, 68, 435, 546.
 sayus, 68, 401.
Scaephaethon, 160, 284.
Scaephaethon rubricatus, 277.
 r. rothschildi, 277.
Scardafella inca, 51.
Scaup, see Duck, Scaup.
Schiffornis, 454.
Schorger, A. W., bird notes on the Wisconsin River, 143-144.
Sclater, W. L., review of his 'Aves' in the Zoological Record, 611; personal mention, 187.
Scolopacidae, 442.
Scolopacinae, 442.
Scoter, 365, 370, 568.
 Surf, 366, 370, 432, 568.
 White-winged, 310, 366, 370, 431.
 Western White-winged, 252.
Scotothorus, 454.
Scott, W. E. D., see Sharpe, R. Bowdler.
Scoville, S., Jr., review of his 'The Out-of-Doors Club,' 162.
Seiurus aurocapillus, 438, 550.
 motacilla, 93, 554, 590.
 noveboracensis, 93, 554, 592.
 n. notabilis, 75, 93, 409, 550.
Selasphorus platycercus, 68, 400.
Serinus caniceps, 300.
 dorsostratus harterti, 333.
 hartlaubi, 300.
Serpophaga helenae, 329.
Setochalcis noctitherus, 334.
Setophaga ruticilla, 75, 142, 550.
Sharpe, R. Bowdler, and Scott, W. E. D., notice of their 'Ornithology of the Princeton Patagonian Expedition,' 480.
Shearwater, Slender-billed, 251.
Sherman, Althea R., notice of her 'Historical Sketch of the Park Region about McGregor, Iowa, and Prairie DuChien, Wisconsin,' 482.
Shoveller, 51, 64, 242, 259, 307, 369.

- Shrike, Northern, 74.
 Migrant, 136.
 White-rumped, 54, 74.
- Shufeldt, R. W., note on the food of the Starling, 135; notice of his paper on the 'Birds of Brazil,' 167; notice of his 'Complete List of My Published Writings,' 321, 613; a change in the nesting habits of the common House Sparrow (*Passer domesticus*), 586.
- Smicrornis brevirostris mallee, 609.
- Smith, Austin Paul, observations relative to some Costa Rican birds, 601-603.
- Smith, H. H., obituary notice of, 637.
- Sialia currucoides, 55, 77, 411.
 mexicana bairdi, 77, 310, 411.
 sialis sialis, 55, 77, 140, 572.
- Sigmodus scopifrons, 493.
- Siptornis, 164.
 anthoides, 164.
 berlepschi, 628.
 flammulata, 164.
 ottonis, 164.
 punensis rufala, 165.
 urubambensis, 165.
- Siptornoides, 164.
- Siskin, Pine, 71, 307, 405, 548.
- Sitta canadensis, 142, 310, 438, 550, 571.
 carolinensis nelsoni, 76, 411.
 europaea atlas, 328.
 e. cisalpina, 630.
 e. griseiventris, 624.
 pusilla, 571.
 pygmaea pygmaea, 73, 310, 411.
- Sittasomus griseicapillus reiseri, 628.
- Siva sordida orientalis, 170.
- Skimmer, Black, 126, 567.
- Snipe, Robin, see Knot.
- Snipe, Surf, see Sanderling.
 Wilson's, 64, 392, 522, 543.
- Solitaire, Townsend's, 77.
- Somateria molissima islandica, 277.
 m. v-nigra, 277.
 spectabilis, 618.
 v-nigra, 277.
- Song, 519, 584.
- Sora, 64, 432, 543.
- Soroplex campestris cearae, 316.
- South African Ornithologists' Union amalgamation with the Transvaal Biological Society, 187.
- 'South Australian Ornithologist,' reviewed, 172, 330, 490, 627.
- South Carolina, birds of, 92-94, 302, 462, 465, 589.
- Sparrow, Acadian Sharp-tailed, 307, 587.
 Baird's, 305, 457.
 Black-throated, 54.
 Brewer's, 72, 406.
 Chipping, 53, 548, 555, 570.
 Clay-colored, 72, 300, 601.
 English, 73, 383.
 Field, 555, 570.
 Fox, 72.
 Gambel's, 71, 299.
 Grasshopper, 141.
 Harris's, 53, 71, 135, 586.
 Henslow's, 251, 393, 458, 570.
 Leconte's, 299.
 Lincoln's, 72.
 Mountain Song, 72, 406.
 Rock, 54.
 Sage, 406.
 Savannah, 258, 391, 597, 598, 570.
 Song, 54, 390, 548, 555.
 Swamp, 305, 436, 598.
 Tree, 467, 548.
 Vesper, 391.
 Western Chipping, 72, 406.
 Western Field, 53.
 Western Grasshopper, 71.

- Sparrow, Western Lark, 53, 71, 405.
Western Savannah, 63, 71, 405.
Western Tree, 71.
Western Vesper, 53, 71, 405.
White-crowned, 53, 71, 135, 299, 406.
White-throated, 53, 300, 314, 393, 406, 548, 570, 597.
- Spatula clypeata, 51, 64, 242, 307, 369.
- Speotyto cunicularia hypogaea, 67.
- Spheniscus humboldti, 161.
- Sphenocercus pseudo-crocopus, 332.
- Sphyrapicus thyroideus, 67, 399.
varius nuchalis, 67.
v. varius, 52, 306, 546.
- Spilornis cheela ricketti, 328.
kinabaluensis, 328.
palawanensis, 328.
- Spinus, 285.
pinus, 71, 254, 307, 405, 548.
- Spizaetus africanus, 321.
batesi, 321.
napalensis fokiensis, 328.
- Spiza americana, 601.
- Spizella arborea, 175, 281.
a. ochracea, 281.
breweri, 72, 406.
monticola, 281, 548.
m. monticola, 467.
m. ochracea, 71.
passerina, 53.
p. arizonae, 72, 406.
p. passerina, 548, 570.
pallida, 72, 300, 601.
pusilla arenacea, 53.
p. pusilla, 570.
- Spizitornis**, 453.
- Spoonbill, Roseate, 568.
- Squatarola squatarola, 143, 279, 536, 569.
s. cynosurae, 279.
- Stachyris nigriceps dilutus, 170.
- Stactocichla merulina anamensis, 170.
- Starling, 135, 298, 598.
- Steganopus tricolor, 396.
- Stelgidopteryx serripennis, 73, 408, 436, 571.
- Stephenson, Mrs. Jesse, the Evening Grosbeak in Monte Vista, Colo., 299.
- Sterna anaetheta recognita, 277.
antillarum, 567.
caspia, 307, 446.
dougalli, 579.
fluviatilis, 479.
forsteri, 63.
fuscata, 277.
hirundo, 307.
maxima, 567.
tschegrava, 446.
- Sternidae, 276.
- Stipiturus malachurus halmaturina, 490.
- Stilt, Black-necked, 396.
- Stone, Clarence F., some rare birds for Yates Co., N. Y., 466.
- Stone, H. F., Purple Gallinule in North Carolina, 130.
- Stone, Witmer, supplementary note on J. P. Giraud, 146; age attained by the Hyacinth Macaw, 293; the Wheatear (*Oenanthe oenanthe leucorhoa*) in eastern Pennsylvania, 303; Merrem's 'Beytrage,' 468; notice of his 'Ornithology of the Princeton Patagonian Expedition,' 480; on A. O. U. luncheons, 498; popular nomenclature, 503-505; the Louisiana Heron (*Hydranassa tricolor ruficollis*) at Cape May, N. J., 580; the Marbled Godwit (*Limosa fedoa*) on the New Jersey coast, 580; the Yellow-throated Warbler (*Dendroica dominica dominica*) at Cape May, N. J., 591.
- Stoner, Dayton, American Golden-eye and White-crowned Sparrow

- in northern Michigan in summer, 135-136; unusual winter bird records for Iowa City, Iowa, 308-309.
- Stoparola melanops*, 335.
- thalassina*, 335.
- Stresemann, Erwin, notice of his papers on *Aegithalos* and Bullfinches, 166; review of his 'Avifauna Macedonica,' 611.
- Stuart, George H., 3rd, nesting of the Greater Yellow-legs in Newfoundland, 292; nesting of the Little Black Rail in Atlantic County, N. J., 292.
- Sturnella magna magna*, 435, 570.
- neglecta*, 52, 70, 405.
- Sturnus vulgaris*, 135, 298, 598.
- Suaheliornis*, 493.
- Sula bassana*, 431.
- cyanops*, 441.
- dactylatra*, 441.
- longipennis*, 337.
- sula*, 337.
- variegata*, 161.
- Sulman, P. L., see Rowan, W.
- Sumatra, birds of, 153.
- Surnia ulula caparoch*, 132.
- Surniculus stewarti*, 531.
- Swailes, Bradshaw H., Hooded Warbler (*Wilsonia citrina*) at Detroit, Michigan, 463.
- Swallow, Bank, 73.
- Barn, 73, 163, 407, 571, 597.
- Cliff, 73, 143, 254, 407.
- Northern Violet-green, 73, 407.
- Rough-winged, 73, 408, 436, 571.
- Tree, 261, 305, 597, 598, 548, 571.
- Swan, Trumpeter, 127.
- Whistling, 127, 289, 432, 467.
- Swann, H. Kirke, review of his 'A Synoptical List of the Accipitres,' 154, 321, 475; see also Mullens, W. H.
- Swarth, Harry S., races of *Branta canadensis*, 268-272; birds of the Papago Saguaro National Monument, Arizona, 640.
- Swift, Chimney, 48, 132, 570.
- White-throated, 68, 294, 400.
- Swiss Society for the Study of Birds, note on, 641.
- Sylvietta carnapi dilutior*, 332.
- isabellina macrorhyncha*, 488.
- neumanni*, 631.
- Synallaxis stictothorax piurae*, 315.
- TACHYCINETA thalassina lepida*, 73, 407.
- Tachyphonus metallicus*, 335.
- rufiventris*, 335.
- Tachytriorchis*, 280.
- albicaudatus sennetti*, 280.
- Tanager, Scarlet, 143, 436, 458, 548, 571, 597.
- Summer, 597, 571.
- Western, 73, 301, 407.
- Tanagra ehrenreichi*, 331.
- coelestis*, 331.
- Tangara cyanicollis gularis*, 165.
- lutleyi*, 628.
- violacea rodwayi*, 320.
- Tanysiptera nigriceps leucura*, 332.
- Tattler, Polynesian, 250.
- Taverner, P. A., review of his 'Birds of Eastern Canada,' 147-149; obituary notice of James M. Macoun, 346.
- Taylor, Warner, some sparrow notes from Madison, Wisconsin, 299.
- Teal, Andaman, 561.
- Blue-winged, 64, 126, 241, 369.
- Cinnamon, 242.
- European, 252.
- Falcated, 250.
- Green-winged, 51, 64, 241, 259, 307, 311, 369.
- Southern, 558.

- Teal, plumage patterns of, 558-564.
Telmatodytes palustris palustris, 306.
 p. plesius, 76, 411.
Tephrodornis pelvica, 633.
 p. annectens, 153.
Tern, Black, 64, 238.
 Caspian, 260, 307.
 Common, 259, 260, 304, 307, 479, 596.
 Forster's, 63, 260.
 Least, 567.
 Roseate, 579.
 Royal, 259, 260, 567.
Texas, birds of, 49-55.
Thalasoetus pelagicus, 250, 280.
Thalasseus, 440.
Thalassidroma, 441.
Thamnophilus leachi, 177.
 viridis, 177.
Thrasher, Brown, 76, 438, 555, 571.
 Curve-billed, 54.
 Sage, 75, 410.
Threskiornithidqe, 441.
Thripobrotus layardi madeirae, 315.
 warscewiczii bolivianus, 315.
Thrush, Alaskan Hermit, 77.
 Audubon's Hermit, 77.
 Bicknell's, 591.
 Gray-cheeked, 156, 254.
 Hermit, 48, 55, 138, 393, 551, 598.
 Russet-backed, 465.
 Olive-backed, 77, 306, 597, 551.
 Willow, 77.
 Wood, 48, 258, 572.
Thryomanes, 487.
 albinuchus, 487.
 bewicki ariboreus, 487.
 b. catalinae, 487.
 b. cryptus, 54.
Thryospiza mirabilis, 281.
Thryothorus ludovicianus ludovicianus, 54, 144, 438, 571.
Tinnunculus rupicolus rhodesi, 624.
Titmouse, Plain, 594.
 Sennett's, 54.
 Tufted, 572.
Todd, W. E. C., a revision of the genus *Eupsychortyx*, 189-220.
Todirostrum beckeri, 108.
 sylvia griseolum, 108.
 schistaceiceps, 108.
Todopsis kowaldi, 624.
'Tori,' reviewed, 490.
Totanus flavipes, 64, 143, 530, 540, 453.
 melanoleucus, 64, 292, 529, 543.
 totanus, 432.
Towhee, 309, 383, 570.
 Arctic, 54, 72.
 Spurred, 72, 406.
 Green-tailed, 73, 407.
Townsend, Charles H., and Wetmore, Alexander, review of their 'Birds of the Albatross Expedition, 1899-1900,' 159-160.
Townsend, Charles W., courtship in birds, 380-393; the Willet in Nova Scotia, 582; review of his 'Supplement to Birds of Essex County, Massachusetts,' 606.
Toxostoma crissale, 303.
 curvirostre curvirostre, 54.
 dorsalis, 303.
 redivivum pasadenense, 285.
 r. redivivum, 285.
 rufum, 76, 438, 571.
Tringa, 443.
 calidris, 452.
 canutus, 337, 451, 406, 525.
 ocrophus, 443, 447.
 ocropus, 447.
 solitaria cinnamomea, 443.
 s. solitaria, 443.
Tringinae, 443.
Trochalopteron yersini, 170.
Trochilus cuvierii, 295.

- Troglodytes aedon aedon*, 550, 571.
 ae. parkmani, 76, 411.
 musculus bonariae, 630.
Turdinulus epilepidotus clarus, 170.
Turdus aureus angustirostris, 332.
 auritus, 630.
 citrinus courtoisi, 329.
 iliacus, 449.
 mupinensis, 630.
 musicus, 449.
 sordidus, 335.
 Turkey, Merriam's, 397.
 Wild, 557, 568.
 Turnstone, Ruddy, 143, 538.
Turtur turtur hoggara, 332.
 Tyler, Winsor M., the Cowbird's
 whistle, 584.
Tympanuchus cupido, 335.
Tyrannus tyrannus, 68, 144, 310,
 435, 546, 570.
 verticalis, 68, 142.
 vociferus, 400.
 Tyto, 444.
 U. S. Biological Survey, notice of
 annual report of, 167; notice of
 its migration work, 185; assump-
 tion of bird banding work, 512.
Upucerthia dabbeni, 165.
 dumetoria hallinani, 165.
Uria ringvia, 275.
Urubitornis solitarius, 154.
 VAN CLEAVE, H. J., review of his
 'Acanthocephala of the Canadian
 Arctic Expedition,' 618.
 Van Oort, E. D., notice of his
 'Birds of Holland,' 147, 320.
Vavasouria, 489.
 Veery, 48.
Veniliornis kirkii monticola, 629.
Vermivora bachmani, 103.
 celata celata, 54, 74, 137, 409.
 c. lutescens, 74, 310.
 chrysoptera, 141.
 peregrina, 437, 549.
Vermivora pinus, 141, 142, 462.
 leucobronchialis, 141.
 rubricapilla, 445.
 r. rubricapilla, 142, 437.
 ruficapilla, 445, 592.
 r. ruficapilla, 445.
 r. gutturalis, 445.
 virginiae, 74, 408.
 Vermont, birds of, 412-422.
 Vetola, 285.
Vibrissosylvia, 493.
 Victoria Museum, Ottawa, bird col-
 lection of, 186.
 Vireo, Blue-headed, 386, 387, 549,
 571.
 Philadelphia, 437.
 Plumbeous, 74, 408.
 Red-eyed, 74, 258, 549, 555,
 571.
 Western Warbling, 74, 408.
 White-eyed, 571.
Vireo griseus griseus, 571.
Vireosylva gilva swainsoni, 74, 408.
 olivacea, 74, 258, 549, 571.
 philadelphica, 437.
 Virginia, birds of, 456, 579.
 Vulture, Black, 51, 260.
 Turkey, 51, 56, 397, 544, 557,
 569.
 WALLACE, J. H., notice of his 'Ala-
 bama Bird-day Book,' 482.
 Warbler, Audubon's, 75, 85, 409.
 Bachman's, 103, 574.
 Bay-breasted, 143, 437, 576.
 Black and White, 142, 258, 261.
 Black-poll, 438, 576, 591, 597.
 Black-throated Blue, 93, 142,
 261, 549, 592, 598.
 Black-throated Green, 47, 142,
 576, 598.
 Blackburnian, 142, 438, 550,
 553, 576, 592.
 Blue-winged, 141, 142, 462,
 574, 597.

- Warbler, Brewster's, 14, 155, 597.
Cairns's, 93.
Canada, 48, 75, 137, 438, 553,
593, 597.
Cape May, 258, 437, 576.
Calaveras, 574.
Cerulean, 437, 576, 598.
Chestnut-sided, 48, 549, 554,
577.
Connecticut, 339, 575.
Dusky, 574.
Grace's, 409.
Golden-winged, 141, 554, 574.
Hooded, 142, 463, 557, 590.
Kentucky, 93, 575, 590.
Kirtland's, 577.
Lawrence's, 155.
Lucy's, 574.
Lutescent, 74, 310, 574.
MacGillivray's, 75, 575.
Magnolia, 142, 437, 549, 553,
576.
Mourning, 137, 550, 575.
Myrtle, 47, 54, 74, 258, 261,
386, 437, 549, 571, 576, 597.
Nashville, 142, 437, 574, 592,
597.
Northern Parula, 42, 462, 598.
Orange-crowned, 54, 74, 131,
574.
Parula, 47, 137, 258, 261, 313,
409.
Pileolated, 75, 410.
Pine, 258, 438, 550, 557, 571,
577.
Prairie, 141, 258, 601, 571, 557,
577.
Prothonotary, 144, 261, 590.
Swainson's, 589.
Tennessee, 305, 437, 549, 574.
Townsend's, 75.
Virginia's, 74, 408, 574.
Worm-eating, 557.
Wilson's, 438.
- Warbler Yellow-throated, 258, 302,
571, 577, 590.
Yellow Palm, 258, 576.
Yellow, 74, 409, 554, 571, 576,
577, 597, 598.
Warsanglia, 328.
johannis, 328.
Washington, birds of, 459-460.
Water-Thrush, 137, 554, 592.
Grinnell's, 75, 93, 408, 550.
Louisiana, 93, 302, 590.
Northern, 137.
Watson, J. D., Lewis, G. P., and
Leopold, N. F., Jr., notice of
their 'Spring Migration Notes of
the Chicago Area,' 616.
Waxwing, Bohemian, 73, 136, 137,
301, 458, 460, 461, 600.
Cedar, 54, 549.
Wayne, Arthur T., notes on seven
birds taken near Charleston, S.
Carolina, 92-94; the Louisiana
Water-Thrush breeding at Gran-
iteville, Aiken County, South
Carolina, 302; the Blue-winged
Warbler (*Vermivora pinus*) on
the coast of South Carolina, 462;
the Russet-backed Thrush taken
near Charleston, S. C., 465;
Wellman, Gordon Boit, dance of
the Purple Finch, 584.
West Virginia, birds of, 457.
Wetmore, Alexander, observations
on the habits of birds at Lake
Burford, New Mexico, 221-247,
393-412; intestinal caeca in the
Anhinga, 286; the Knot in Mon-
tana, 451; the Newfoundland
Crossbill in the Washington re-
gion, 456; an erroneous Kansas
record for Baird's Sparrow, 457;
personal mention, 517; see also
Townsend, C. H.
Wheatear, 33.

- Whip-poor-will, 293, 546, 554, 570.
 Whistler, see Golden-eye.
 White, F. B., memorial of the
 Nuttall Ornithological on the
 death of William Brewster, 27-
 28.
 White, Gilbert, memorial to, 641.
 Widgeon, European, 288.
 Willet, 581, 582, 534, 568.
 Western, 65, 396.
 Williams, John, the Black Rail at
 St. Marks, Florida, 128-130;
 notes from St. Marks, Florida,
 142-143.
 Wilson, Alexander, 174.
 'Wilson Bulletin,' reviewed, 169,
 487.
 Wilson Ornithological Club, annual
 meeting of, 352.
 Wilsonavis richmondi gouldiana,
 609.
 Wilsonia canadensis, 75, 438.
 citrina, 142, 463.
 pusilla pileolata, 75, 410.
 p. pusilla, 438.
 Wisconsin, birds of, 143-144, 299,
 367-371.
 Witherby, H. F., review of his
 'Handbook of British Birds,' 151-
 152, 316, 472.
 Wolf, E., see Rowan, W.
 Wood, Casey A., review of his
 'The Eyes of the Burrowing Owl,'
 612.
 Woodcock, 392.
 Woodpecker, Ant-eating, 52.
 Arctic Three-toed, 545.
 Batchelder's, 67.
 Downy, 67, 556, 569.
 Golden-fronted, 52.
 Hairy, 399, 545, 556.
 Lewis's, 68.
 Northern Pileated, 546, 598.
 Pileated, 132.
 Red-bellied, 143, 569.
 Woodpecker, Red-cockaded, 569.
 Red-headed, 67, 556.
 Rocky-Mountain Hairy, 67.
 Southern Downy, 569.
 Texas, 52.
 Wren, Alaska, 486.
 Bewick's, 309, 555.
 Canon, 76, 410.
 Carolina, 54, 144, 438, 571.
 House, 314, 550, 555, 571.
 Long-billed, 308.
 Rock, 54, 76, 410.
 Texas, 54.
 Western House, 76, 411.
 Western Marsh, 76, 411.
 Winter, 550, 597.
 Wright, A. H., the Yellow-throated
 Warbler in central New York,
 302.
 Wright, Horace W., Hermit
 Thrush's nest in unusual loca-
 tion, 138; Bittern displaying its
 white nuptial plumes, 450; Blue-
 gray Gnatcatcher in the Boston
 Public Garden, 464; obituary no-
 tice of, 509.
 XANTHISCUS flavescens sordidus,
 170.
 Xanthocephalus xanthocephalus,
 69, 403, 601.
 Xema sabini, 268, 311.
 Xenops rutilus connectens, 315.
 Xiphorhynchus triangularis bangsi,
 315.
 YELLOWLEGS, 64, 143, 260, 530,
 540, 543.
 Lesser, see Yellow-legs.
 Greater, 64, 260, 292, 529, 543,
 571.
 Yellow-throat, Maryland, 258, 390,
 550, 575 597.
 Western, 75, 410, 575.
 Florida, 575.

- Yellow-throat, Pacific, 575.
Salt Marsh, 575.
San Blas, 575.
Jalapa, 575.
- ZAMELODIA ludoviciana, 436, 548.
melanocephala, 73, 407.
m. capitalis, 282.
m. melanocephala, 282.
- Zenaidura macroura carolinensis,
51.
- Zenaidura m. marginella, 65, 397.
Zonotrichia albicollis, 53, 300, 406,
548.
leucophrys, 299, 406.
l. gambeli, 71, 299.
l. leucophrys, 53, 71, 136.
querula, 53, 71, 135.
- Zosterops bayeri, 496.
difficilis, 153.

ERRATA.

- Page xii, line 33, for VAN ORT read VAN OORT.
" xl, " 16, for LUTEY read LUTLEY.
" 21, " 5, for McCLEOD read McLEOD.
" 21, " 7, for FRAZER read FRAZAR.
" 27, " 13 from bottom, for E. B. WHITE read F. B. WHITE.
" 175, " 10, for June read April.
" 351, " 3 from bottom, for *Public Library read *H. H. Bailey.
" 471, " 16 from bottom, for 1865 read 1857.
" 492, " 11, for use of and read use of > and <.
" 505, " 15, for what read that.
" 508, " 10, for 1895 read 1894.
" 508, " 12, for 1912 read 1910.
" 515, " 19 from bottom, for Australian read Australasian.

DATES OF PUBLICATION.

- Vol. XXXVI, No. 4—October 31, 1919.
" XXXVII, No. 1—January 20, 1920.
" XXXVII, No. 2—April 15, 1920.
" XXXVII, No. 3—July 14, 1920.



